Water-works (Continued)

Minn., St. Paul—City plans to build water main from Cayuga and Mississippi Sts. to Bway. and Grove St. About $65,000. H. W. Austin, purch. agt. O. Claussen, city engr.

Kan., Topeka—City plans election in fall to vote on from $150,000 to $200,000 bonds to build city well north of river with pipe line across brick yard bridge and to city water plant, as an emergency measure until permanent improvements are completed.

Wyo., Casper—City plans election in fall to vote on $1,500,000 bond issue to build new water-works system, to include reservoir and distribution system. M. B. Wheeler, city engr.

Mont., Hardin—City plans to extend water works system to Highland Park addition. About $30,000. E. C. Flickinger, city engr.

Mont., Whitefish—City having plans prepared by W. K. Trippett, Whitefish, for storage reservoir with 400,000 gal. capacity. Bonds for $22,000 voted for project. Noted Jan. 2.

Mo., Kansas City—Fire & Water Bd. purchased 8½ acre site on 75th and Holmes Sts., and plans to build 10,000,000 gal. reservoir.

Mo., Macon—City plans to improve waterworks and electric lighting systems. About $45,000.

Ark., Ft. Smith—City plans to extend and improve waterworks system to include building weir in Poteau River and reservoir on Crowe Hill.

Tex., Cisco—City plans to improve water works system. About $50,000.

Tex., Houston—E. E. Sands, city engr., soon receives bids improving water-works system. Plans include 7 deep wells, pumps, motor and electric generators. About $160,000. Former bids rejected. Noted Dec. 26.

Tex., Vernon—City having plans prepared for increasing water supply and has instructed A. J. Robinson, city engr. to get estimates for concrete tank to increase capacity of water supply to 400,000 gal.

Tex., Waxahachie—See "Streets and Roads."

Okla., Carnegie—City election Feb. 5, to vote on $12,000 bonds to improve and extend waterworks.

Utah, Salt Lake City—City plans to build rein.-con. conduit and additional feeder mains from Parleys Canyon to north eastern section of city. About $500,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—City plans to develope water supply in Big Cottonwood Canyon to secure more water, also additional water rights. About $250,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—City plans to build additional reservoir in City Creek Canyon. About $100,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—See "Streets and Roads."

Ariz., Florence—City plans election to vote on $80,000 bonds for water supply system and electric light and power plant. Noted Dec. 19.

Cal., San Diego—City plans to build pipe line from Lower Otay reservoir, cost, $350,000; also repair conduit system. G. Cromwell, city engr.

Cal., San Leandro—City retained Olmstead & Gillelen, engrs., 1112 Hollingsworth Bldg., Los Angeles, to prepare plans for complete water-works system.

Cal., Watts—Bd. Trustees considering plans to establish water-works system. J. C. Power, Watts, engr.

Ont., Brampton—Town plans to install filtration and sterilization plant. A. E. Davis, clk.

Ont., Sarnia—City voted $55,900 bonds to build water-works intake and $15,000 for water mains.

BIDS DESIRED

N. Y., Poughkeepsie—Until Feb. 11, by State Hospital Comn., Capitol, Albany, building intake crib in Hudson River thence to filters, installing new filter, changing water main and reservoir at Hudson River State Hospital here. About $40,000. Work involves 450 ft. 10 in. c.i. pipe and 450 ft. 1½ in. wrought iron pipe, etc. L. F. Pilcher, Albany, state archt.

N. J., Jersey City—Until Feb. 18 by City, building water mains under Hackensack and Passaic Rivers. About $250,000; advertised in this issue. Noted Dec. 19.

W. Va., Clarksburg—Until Feb. 28, by Water Bd., building addition of 3 m.g.d. capacity to existing mechanical filtration plant. S. G. Highland, sec'y and gen'l. mgr.; advertised in this issue.

Ind., East Chicago—Until Feb. 25, by C. L. Kirk, vice-pres., East Chicago & Indiana Harbor Water Co., c/o Indianapolis Water, 113 Monument Circle, Indianapolis, building water purification plant, consisting of chemical house, filter house, boiler house and pumping plant addition, sedimentation basins and filtered water reservoir, involving 16,000 cu.yd. excav. 6600 cu.yd. concrete, 2300 cu.yd. loam, furnished, 140 tons reinforcing steel, setting 218 tons c. i. pipe and 72 ton gate valves and sluice gates; advertised in this issue.

Mont., Cascade—Until Feb. 3, by city, building rein.-con. well, 14 x 14 ft. at top, 10 x 10 ft. bottom and 36 to 38 ft. deep, also 14 x 14 pumphouse. About $6000. H. P. Walters, Minot Bldg., Great Falls, engr.

Okla., Kingfisher—Until Feb. 3, by city for improving water-works. Bonds for $30,000 have been sold for project. Black & Veatch, 507 Interstate Bldg., Kansas City, Mo., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**R. I., Newport**—City let contract building reservoir, to Deverall, Spencer Co., Barrett Bldg., Baltimore, Md., $59,830.

★**N. Y., Cohoes**—City let contract building addition to pumping plant, to Alpha Electric Constr. Co., 102 Hamilton St., Albany. About $8000. Noted Dec. 19.

★**La. Baton Rouge**—Illinois Central R.R. Central Sta., Chicago, Ill., let contract building 1 story, 25 x 40 ft. filtration plant here with capacity of 25,000 gal. per hour, to Graver Tank Wks., 4809 Todd Ave., Chicago. About $18,000.

★**Mo., Kansas City**—See "Excavation & Dredging."

★**Ont., Barriefield** (Kingston P. O.)—Dominion Government, Ottawa, Ont., let contract for water supply and drainage system for temporary barracks, to Elliott Bros., 77 Princess St., Kingston. About $8980.

Sewers

PROPOSED WORK

Mass., Brockton—A. Bartlett, representative, petitioned State Legislature to authorize city to borrow $40,000 to extend surface drainage system.

N. Y., Central Islip—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $100,000 to build underground sewers, etc., $50,000 for changes in sewage disposal plant, at Central Islip State Hospital.

N. Y., Kings Park—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $14,000 to extend sewage disposal plant at Kings Park State Hospital.

N. Y., Ray Brook—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $25,000 to install new Imhoff system for sewage disposal at New York State Hospital for treatment of incipient tuberculosis.

N. Y., Rochester—City plans to build sewage disposal plant in 23rd ward near Rome, Watertown & Ogdensburg R.R. bridge, will also make surveys for one in Maplewood Dist. A. C. Poole, city engr.

N. Y., Thiells—Bd. Dirs. Letchworth Village applied to State Legislature, Albany, for appropriation of $20,000 to build addition to sewage disposal plant. F. Vanderlip, 7 Wall St., New York City, pres.

N. J., Elizabeth—City had plans prepared building syphon under river to carry sewage. About $25,000. T. E. Collins, city engr.

N. J., Phillipsburg—City plans to build sewerage purification plant. About $500,000. C. E. Tilton, city engr.

Pa., Pittsburgh—Dept. Pub. Wks. plans to expend $250,000 to build sewers during 1919. N. S. Sprague, ch. engr.

Ala., Sheffield—City receives bids about Mar. 15 building from 1½ to 2 mi. of 12-42 in. concrete or vitr. pipe storm sewers in various streets. R. A. Chapman, city engr. Noted Jan. 16.

O., Cleveland—City receives bids in spring building 30 mi. brick and concrete sewers in 50 streets. R. Hoffman, city engr.

O., St. Bernard—City plans to build vitr. pipe storm sewers. About $10,000. H. Nunlist, 1113 Taction Bldg., Cincinnati, engr.

Mich., Detroit—C. W. Hubbell, city engr., soon receives bids building 11,000 ft. trunk line sewer in Joy Rd.; 14,600 ft. Linwood Ave., 8000 ft. Dexter Blvd.; 3000 ft. Irwin Ave.; 3600 ft. Raymond Ave. and 5000 ft. Alter Rd., brick or concrete. Noted Jan. 2.

Ia., Cedar Rapids—City plans to build storm sewers in various streets. About $190,000. T. F. McCanley, engr.

N. D., Fargo—City having plans prepared building several miles of sewers. W. Stevenson, city engr.

Tex., Waxahachie—See "Streets and Roads."

Utah, Salt Lake City—City plans to build sanitary sewers in various sections of city; cost, $100,000; also storm sewers to cost $225,000. S. Q. Cannon, city engr.

Ariz., Flagstaff—City having plans prepared by Olmstead & Gillelen, engrs., 1112 Hollingsworth Bldg., Los Angeles, Cal., for sewerage system here. Cost $100,000. Bonds for $30,000 have been sold and election will be held soon to vote on $70,000 additional bonds.

Cal., Watts—Bd. Trustees plans election soon to vote on bond issue to build complete sewerage system. J. C. Power, Watts, engr.

Ont., Dundas—Town voted $59,000 bonds to build trunk sewers. J. S. Fry, clk.

Ont., Ottawa—City plans to build south sewer extension. About $50,000. L. McLaren Hunter, engr.

BIDS DESIRED

N. Y., Syracuse—Until Feb. 6, by Syracuse Intercepting Sewer Bd., 104 City Hall, building Div. 3, 4 and 5 of Onondaga Creek impvt. and main intercepting sewer. Plans include 2 mi. creek improvement and 1.3 mi. intercepting sewer and involves 111,500 cu.yd. excav. and 18,000 cu.yd. concrete. H. J. Hamlin, secy.; advertised in this issue.

Mich., Ford (Wyandotte P. O.)—Until Feb. 6 by G. K. Molino, village clk., trenching, laying pipe and backfilling complete sewerage system involving 2022 ft. 24-33 in. concrete pipe, 49,663 ft. 8-22 in. vitr. pipe and 400 ft. 12 in. concrete outlet pipe to replace present outlet. About $150,000. M. L. Brown & Son, 824 Chamber of Commerce Bldg., Detroit, engrs. Noted Jan. 9.

Mo., St. Louis—Until Feb. 25, by Bd. Pub. Serv., building sewers and appurtenances in Oakland Ave. Sewer Dist. No. 2, involving 5715 lin.ft. 8-30 in. c.i., wrought iron, common brick pipe, 53,000 brick, 4830 cu.yd. earth trenching, 50 cu.yd. rock trenching, 28 manholes, 28 catch basins. About $17,000. W. W. Horner, city engr.

Mo., St. Louis—Until Feb. 25, by Bd. Pub. Serv. building sewer in Arloe Sewer Dist. No. 1, involving 14,895 lin.ft. 8-33 in. c.i., wrought iron, common brick pipe sewer, 126,000 bricks, 14,360 cu.yd. earth trenching, 250 cu.yd. rock trenching, 50 manholes and 47 catch basins, cost, $52,000; Arloe Sewer Dist. No. 2, involving 6055 lin.ft. 10-24 in. c.i., wrought iron common brick pipe sewer, 36,000 bricks 3400 cu.yd. earth trenching and 40 cu.yd. rock trenching, $17,000. W. W. Horner, city engr. Noted Aug. 1.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Que., Covefield** (Quebec P. O.)—Dominion Government, Ottawa, Ont., let contract building sewerage and waterworks systems for temporary barracks here, to M. Lonergan, 1254 St. Valier St., Quebec. About $24,500.

Bridges

PROPOSED WORK

Mass., Boston—A. Kidder, representative, petitioned State Legislature to build memorial bridge over Charles River, from here to Cambridge.

R. I., Pawtucket—City had plans prepared by Haven & Doty, archts., 220 Devonshire St., Boston, Mass., for 3 span concrete arch bridge, 180 ft. long, 60 ft. wide, over Blackstone River on Exchange St., to replace iron bridge. About $100,000.

Conn., New Haven—City having plans prepared for 300 ft. bridge 25-30 ft. wide at Belle Dock on Forbes Ave., to replace old Tomlinson bridge. About $500,000. F. L. Ford, city engr.

Bridges (Continued)

N. Y., Waterport—Carlton Twp. plans election to vote on $30,000 bonds to build single span bridge over Oak Orchard Creek at site of dam of Western New York Utility Co. who will appropriate like amount.

N. J., Trenton—City plans to build 5 new stationary bridges over Delaware and Raritan canal, at Hermitage Ave., Prospect, Calhoun, Passaic and West Hanover Sts. About $200,000. A. Swan, city engr.

Pa., Pittsburgh—Dept. Pub. Wks. plans to expend $100,000 for building bridges during 1919. N. S. Sprague, ch. engr.

O., Sharonville — See "Miscellaneous," Cincinnati, O.

Wis., Black River Falls—Comrs. Jackson Co. having plans prepared by W. C. Buetow, div. engr., La Crosse, building 180 ft. concrete culvert, Irving Twp. Work involves 238 yd. concrete and 14 tons steel.

Wis., Ladysmith—See "Streets & Roads."

Wis., Manitowoc—City had plans prepared by L. K. Pitz city engr., for bascule bridge on 10th St., 21 ft. wide. About $95,000.

Wis., Milwaukee—City having plans prepared for bascule bridge on State St. About $250,000. D. McKeith, supt. dept. bridges and buildings.

Kan., Topeka—City receives bids in February building 190 ft. rein.-con., open spandrel, solid slab arch bridge over Shunganunga River on 8th St., 20 ft. roadway, 5 ft. sidewalks. W. E. Baldry, city engr.

Mont., Bigtimber—See "Streets & Roads."

Mo., Marshall—See "Streets and Roads."

Mo., St. Louis—Bd. Pub. Serv. soon receives bids building rein-con. bridge on Southwest Ave. About $33,000. Former bids rejected. L. R. Bowen, city engr. Noted Oct. 3.

Mo., St. Louis—City having plans prepared building bridge on 14th St. About $300,000. L. R. Bowen, city engr.

Utah, Salt Lake City—City plans to build 3 bridges over Jordan River and Surplus Canal. About $40,000. S. Q. Cannon, city engr.

Ont., Ottawa—Bd. Control having preliminary plans prepared for 450 ft. rein.-con. bridge 50 ft. wide, over Rideau River at foot of Rideau St. to replace Cummings bridge. A. F. McCallum, City Hall, engr.

Ont., Ottawa—Bd. Control receives bids in spring building, 400 ft. rein.-con. bridge, 55 ft. wide, consisting of 4 spans, over Rideau River on St. Patrick St. About $190,000. A. F. McCallum, City Hall, engr.

Sask., Outlook—Bd. Trade plans to build traffic bridge. About $500,000. H. O. Redden, pres.

B. C., Victoria—Provincial Government, Ottawa, Ont., plans to build bridge on Johnson St., here. About $200,000.

BIDS DESIRED

Ga., Oglethorpe—Until Feb. 11, by Comrs. Macon Co., building concrete and steel bridge over Flint River, between Oglethorpe and Montezuma Twps.

Kan., Oswego—Until Feb. 3, by Comrs. La Bette Co. building rein.con. highway bridges, involving 1792 lin.ft. 15 in., 606 lin.ft. 18 in., 498 lin.ft 24 in., and 48 lin.ft. 30 in. concrete pipe, 927.6 cu.yd. rein.-con. and 7.74 ton steel. About $40,000. W. J. King, co. engr.

Cal., Sacramento—See "Streets & Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**Mass., Braintree**—Comrs. Norfolk Co. (Dedham) let steel contract building Scherzer double leaf draw for highway over Monaticquot Creek, branch of Fore River, 64 ft. long, 50 ft. wide, to Boston Bridge Co., East Cambridge. About $53,000. Work involves 1850 cu. yd. rein.-con., 130 tons steel, 6600 ft. earth approach and fill, etc. Noted Apr. 11.

★**Pa., Tionesta**—State Comn., Harrisburg, let contract building concrete bridge across Tionesta Creek here, to Whittaker & Diehl, Union Trust Bldg., Harrisburg. About $64,965.

★**Minn., Warren**—Marshall Co. let contract building 5 steel bridges, 1 rein.-con. culvert and 15 wooden bridges, to Minneapolis Bridge Co., 1035 Metropolitan Life Bldg., Minneapolis.

★**Mont., Bozeman**—Comrs. Gallatin Co. let contract building Red Bridge, one 85 ft. steel span, 16 ft. wide, 2 concrete abutments; also Axtell Bridge, one 140 ft. steel span, 16 ft. wide, 1 concrete abutment, to Clifton Applegate Toole Co., 2 North Cedar St., Anaconda, $15,724.

★**Tex., Van Horn**—See "Streets and Roads."

★**Idaho, Cataldo**—State Highway Comn., Boise, let contract building bridge, to Security Bridge Co., 502 North 32nd St., Billings, Mont., $29,875.

Structural Steel

PROPOSED WORK

O., Cincinnati—See "Miscellaneous."

Wis., Black River Falls—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**O., Cleveland**—See "Industrial Works."

Reinforced Concrete

PROPOSED WORK

N. Y., Buffalo—See "Industrial Works."

Pa., Johnstown—See "Miscellaneous."

Fla., Miami—See "Industrial Works."

O., Cincinnati—See "Miscellaneous."

Wis., Baraboo—See "Streets & Roads."

Wis., Black River Falls—See "Bridges."

Wis., Elkhorn—See "Miscellaneous."

Cal., Modesto—See "Miscellaneous."

Ont., Ottawa—See "Bridges."

BIDS DESIRED

Mont., Cascade—See "Water-Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Tionesta**—See "Bridges."

★**Tex., Van Horn**—See "Streets & Roads."

Streets and Roads

PROPOSED WORK

Massachusetts — State Legislature petitioned State Highway Comn., Boston, to improve highway between Goshen and Ashfield Twps., cost over $10,000; between Belchertown and Amherst Twps., $40,000; build and improve highway from center of Plymouth Twp. to center of Bourne Twp., $20,000, one half of cost to be borne by state and other half by Plymouth and Barnstable Twps.; highway from Milford Center to Urbridge Center, $17,000.

Massachusetts — State Legislature petitioned State Highway Comn., Boston, to build highway around steep hill in Leicester Twp. to form detour in Boston-New York auto route, cost to exceed $10,000; highway from junction of Walnut and Cedar Sts., Lynn Twp. through Sangus and Wakefield Twps.

Mass., Melrose (Boston P. O.)—H. C. Woodill petitioned State Legislature to direct Metropolitan Park Comn., 18 Tremont St., to build and maintain boulevard as part of park system from Bellevue Ave. toward Lynn woods. About $50,000.

Mass., Newton (Boston P. O.)—A. Childs, mayor, petitioned State Legislature to direct Metropolitan Park Comn., 18 Tremont St., Boston, to build parkway or boulevard from Maple and Jefferson Sts., east along bank of Charles River to connect with parkway. Cost to exceed $10,000.

Mass., Quincy (Boston P. O.)—A. Whiton, mayor, petitioned State Legislature to direct Metropolitan Park Comn., 18 Tremont St., Boston, to build boulevard from Adams to Hancock Sts. About $50,000.

Mass., Stoneham (Boston P. O.)—A. Newhall, representative, petitioned State Legislature to direct Metropolitan Park Comn., 18 Tremont St., Boston, to acquire land and build parkway or boulevard from Main St., Stoneham Twp. to Crystal Lake, Wakefield Twp. and from lake to Quannapowitt Parkway, Wakefield Twp. About $20,000.

Mass., Wakefield—A. Baxter, representative, applied to State Legislature for appropriation of $30,000 to build Water St., from here to Sangus Twp.

Mass., Winchester—City plans to build Woburn Parkway from present terminus to Wildwood Twp., bituminous macadam. Cost to exceed $25,000. J. R. Rablin, c/o Metropolitan Park Comn., 18 Tremont St., Boston, engr.

Mass., Winthrop (Boston P. O.)—C. D. Bradbury petitioned State Legislature to direct Metropolitan Park Comn., 18 Tremont St., to take over and improve Beacon St. About $20,000.

N. Y., Buffalo—City had plans prepared paving 25 streets, involving 225,000 sq.yd. asphalt pavement. About $900,000. G. H. Norton, city engr.

N. Y., Buffalo—City having plans prepared for paving 20 streets involving 200,000 sq.yd. pavement. About $1,000,000. G. H. Norton, city engr.

N. J., Morristown—Bd. Freeholders Morris Co., plans to improve and widen Pine Brook Ave. over the Meadows.

N. J., Paterson—Bd. Freeholders plans to improve Ringwood Ave., Pompton Lakes Twp., from old borough line to Paterson Hamburg Turnpike, and Black Oak Ridge Rd., between Paterson and Newark Turnpike. G. Ferguson, engr.

Pa., Pittsburgh—City plans to submit $12,000,000 bond issue at next general election to be used as follows: Street improvements, $7,000,000; street repaving, $1,000,000; sewer construction, $1,400,000; park improvements, $500,000; bridges, $500,000; also other municipal work. N. S. Sprague, ch. engr. dept. pub. wks.

Pa., Pittsburgh—Dept. Pub. Wks. plans to expend $1,500,000 for street improvements during 1919. N. S. Sprague, ch. engr.

Maryland—State plans to expend about $174,000 from Federal Aid fund, $3,000,000 from State Rd. fund (from bond issue) and $1,800,000 from State Aid fund for new construction during year; also $1,400,000 for maintenance. J. N. Mackall, ch. engr.

Virginia—State Highway Dept., Richmond, has following amounts available for construction and maintenance of roads during year; $900,000 from Federal Aid, $1,600,000 from state appropriations for state highway system (these 2 amounts to be expended on about 30 projects); $1,000,000 of joint state and county funds to be expended on county highway systems and about $750,000 for maintenance of state highway system. G. P. Coleman, comr.

S. C., Spartanburg—Comrs. Spartanburg Co. soon receive bids building 2 hard surfaced roads leading from Spartanburg: 1 on Appalachian Highway toward Landrum and other on Glenn Springs Rd. About $142,000 available for project.

Fla., Ft. Lauderdale—City plans election to vote on $10,000 bonds for improving streets. H. C. Davis, city engr.

Ala., Sheffield—City receives bids about Mar. 15 paving 100,000 sq.yd. streets, asphalt, bithulithic, brick or concrete. R. A. Chapman, city engr. Noted Jan. 16.

La., Colfax—City plans to pave 1 mi. sidewalk.

La., Shreveport—Caddo Parish plans to build 7 mi. roads.

La. Vidalia—Concordia Co. plans election to vote on $150,000 bonds to gravel main roads. Federal Government will be asked to appropriate like amount.

O., Cincinnati—Comrs. Hamilton Co. plan to surface Harrison, Springfield, Reading and Glendale-Milford Rds. About $800,000. State will appropriate $400,000 toward cost. W. Boeh, co. surv.

O., Cleveland—Comrs. Cuyahoga Co. receive bids in summer grading, paving and draining 4.75 mi. Som Centre Rd. from North Woodland Rd. to North Miles Rd., brick, 16 ft. wide, cost, $300,000; 3.08 mi. Highland Rd., brick or concrete, 15 ft. wide, $150,000; also draining and paving 2.67 mi. Walling Rd. from Broadview Rd. to Breckville Twp., concrete, 16 ft. wide, $140,000. W. A. Stinchcomb, co. engr.

O., Cleveland—Comrs. Cuyahoga Co. receive bids in spring repaving 5.13 mi. Dover Center Rd. from Butternut Ridge to West Lake Rd., in Bay Village, Dover and North Olmstead Twps., 15-20 ft. wide, cost, $300,000; 3 mi. Pleasant Valley Rd., Middleburgh Twp., 25 ft. wide, $150,000. W. A. Stinchcomb, co. engr.

O., Cleveland—Comrs. Cuyahoga Co. plan to pave, grade and drain 1 mi. Brook Park Rd., Brooklyn Heights Twp., brick or macadam, 25 ft. wide, cost $55,000; 6.75 mi. Royalton, Prospect and Bright Rds., in Strongville Twp., macadam, 10-20 ft. wide, $300,000. W. A. Stinchcomb co. engr.

O., Cleveland—City sold $490,000 bonds to pave, curb, grade and drain 100 streets, total length 200 mi., 20-60 ft. wide. R. Hoffman, city engr.

Streets and Roads (Continued)

O., Cleveland—City plans to issue $1,000,000 bonds to pave, repave, surface and improve 300 streets, total length 200 mi., 20-100 ft. wide. R. Hoffman, city engr.

O., Cleveland—City receives bids in spring opening, widening, extending and improving Carnegie Ave. from East 89th to East 107th Sts., total length 2 mi., 100 ft. wide. About $150,000. R. Hoffman, city engr.

O., Columbus—City adopted ordinance appropriating $100,000 for widening High St., between Spruce St. and 5th Ave. H. Maetzel, city engr.

O., St. Bernard—City plans to curb and gutter Ross Ave., concrete, cost $7500; also resurface several other streets with macadam and Tarvia to replace old macadam; cost $25,000. H. Nunlist, 1113 Traction Bldg., Cincinnati, engr.

Mich., Detroit—Dept. Pub. Wks. soon receives bids paving with asphalt on 6 in. concrete foundation, Berea or Medina curbing.

Tuxedo Ave. from 12th St. to lots 44-45 Robert Oakman subdivision, 1 roadway 26 ft. and 2 roadways 20 ft. wide, cost, $17,514;

Iosco Ave. from Mackinaw to Grand River Ave., 26 ft. wide, $12,013;

Philadelphia Ave., 26 ft. wide, $19,404;

Richton Ave. from Oakman Ave. to 12th St., 24 ft. wide, $8336;

St. Aubin Ave. from Newton to Euclid Aves., 28 ft. wide, $21,691;

Begole Ave. from Beechwood to Tireman Aves., 26 ft. wide, $31,152;

Medbury Ave. from Frontenac to Baldwin Aves., 26 ft. wide, $17,770;

Medbury Ave. from Van Dyke to Fisher Aves., 26 ft. wide, $28,210.

Mich., Detroit—H. H. Esselstyn, comr. pub. wks., soon lets contract paving, grading and curbing, Corbin Ave. from Herman to 12th Sts., 24 ft. wide, involving 3431 sq.yd. asphalt, 6 in. concrete base, 2439 lin.ft. Berea or Medina curbing, 1609 cu.yd. earth excav., 70 cu.yd. concrete, under and behind curb, 192 lin.ft. retaining stone;

Army St. from Beard to Green Sts., 26 ft. wide, involving 2059 sq.yd. asphalt 6 in. concrete base, 1454 lin.ft. Berea or Medina curbing, 924 cu.yd. earth excav., 40 cu.yd. concrete under and behind curb, 26 lin.ft. retaining stone;

St. Hedwig Ave. from Lockwood St. to Junction Ave., 26 ft. wide, involving 1755 sq.yd. asphalt, 6 in. concrete base, 1064 lin.ft. Berea or Medina curbing, 910 cu.yd. earth excav., 33 cu.yd. concrete under and behind curb, 180 lin.ft. retaining stone;

Putnam Ave. from Lawton to Maybury Aves., 26 ft. wide, involving 1233 sq.yd. asphalt, 6 in. concrete base, 866 lin.ft. Berea or Medina curbing, 690 cu.yd. earth excav., 25 cu.yd. concrete under and behind curbs, 70 lin.ft. retaining stone;

Greusel Ave. from Otis to Kulic Sts., 26 ft wide, involving 1843 sq.yd. asphalt, 6 in. concrete base, 1172 lin.ft. Berea or Medina curbing, 995 cu.yd. earth excav., 34 cu.yd. concrete under and behind curb, 104 lin.ft. retaining stone;

Wendall Ave. from Ferndale to Woodmere Aves., 26 ft. wide, involving 4834 sq.yd. asphalt, 6 in. concrete base, 3183 lin.ft. Berea or Medina curbing, 2007 cu.yd. earth excav., 91 cu.yd. concrete under and behind curb, 227 lin.ft. retaining stone;

Rathborne St. from Springwells to Lawndale Sts., 26 ft. wide, involving 4919 sq.yd. asphalt, 6 in. concrete base, 3323 lin.ft. Berea or Medina curbing, 2443 cu.yd. earth excav., 92 cu.yd. concrete under and behind curb, 124 lin.ft. retaining stone. C. W. Hubbell, city engr.

Ill., Rockford—City plans to pave 7th St. from Railroad to 23rd Aves., cost $89,000; 11th Ave. from 14th to 18th Aves., brick, $23,000; 23rd Ave. from Kishawaukee to 11th Sts., cement, $41,000; Summit St. from Crosby to Rural Sts., macadam, $10,400; also pave 6 blocks of alleys, 4 off 7th St. and 2 on south side, concrete, $12,000. S. B. Hand, city engr.

Ill., Rock Island—City plans to pave 18th Ave., between 45th and 46th Sts., 10 ft. wide with 16 ft. roadway on each side, asphaltic concrete, cost $13,363. W. Treichler, city engr.

Wis., Balsam Lake—Comrs. Polk Co. plan to grade and gravel surface 13 mi. Barron-St. Croix Falls Rd. About $54,000. Federal Government will appropriate toward cost. S. P. Hall, Spooner, engr.

Wis., Baraboo—Town Bd. soon lets contract building Warner Rd. from here to Devils Lake, concrete. Work involves 21-355 cu.yd. excav., 2.7 acres clearing and grubbing, 30,683 sq.yd. concrete pavement, 160 cu.yd. concrete culverts. W. Cahoon, chn.

Wis., East End—Comrs. Douglas Co. (East End) and Washburn Co. (Shell Lake) plan to grade and gravel surface, 7½ mi. Gordon-Minong Rd. About $63,000. Federal Government will appropriate toward cost. S. P. Hall, Spooner, engr.

Wis., Hayward—Comrs. Sawyer Co. plan to grade 5 mi. Radisson-Coudery Rd. Project includes building bridges. S. P. Hall, Spooner, engr. About $27,000. Federal Government will appropriate toward cost.

Wis., Kenosha—City receives bids in March paving 65,000 sq.yd. road, brick, asphalt and concrete. P. J. Hurtgen, city engr.

Wis., Ladysmith—Comrs. Rusk Co. plan to grade 7 mi. Prentice-Ladysmith Rd. Project includes building bridges. About $24,000. Federal Government will appropriate toward cost. S. P. Hall, Spooner, engr.

Wis., Shell Lake—Comrs. Washburn Co. plan to grade and surface with clay-gravel 5 mi. Spooner-Rice Lake Rd. About $25,500 Federal Government will appropriate toward cost. S. P. Hall, Spooner, engr.

Wis., Stoughton—City plans to pave North Monroe and Hamilton Sts. also East Main St. from end of existing paving to city limits, concrete.

Wis., West Allis—City plans to pave National Ave. from Allis Chalmers belt line to 75th Ave.; 26th and 57th Aves. from National to Greenfield Aves.; 68th Ave. from National Ave. to south and north city limits; Woodlawn Ave. from Greenfield to Lincoln Aves.; 50th Ave. from Grant to Pershing Aves. and 66th and 67th Aves. from National to Greenfield Aves. C. G. Arbert, city engr.

Ia., Davenport—City plans to pave 9 alleys, 5600 ft. long, 20 ft. wide. About $11,100. R. E. Sawistowsky, city engr.

Minn., Hastings—Comrs. Dakota Co. plan to build 5 mi. road to connect with city limits of St. Paul. R. W. Downs, co. aud.

Minn., Red Wing—City plans to pave Main St. from B'way to Franklin St. S. T. Irvine, city clk.

Kan., Great Bend—Barton Co. rejected bids received Jan. 3, building Federal Aid Project No. 3, on Sante Fe Trail as follows: (1) Sect. A, B, C and D, improving 144,396 ft. roadway from Sta. 0 to Sta. 1611, 20 ft. wide, (2) Sect. A, building 30,857 ft. road from Sta. 0 to Sta. 308, (3) Sect. B, building 35,714 ft. from Sta. 308 to Sta. 667, (4) Sect. C, 50,027 ft. from Sta. 775 to Sta. 1276; (5) Sect. D, 27,798 ft. from Sta. 1332 to Sta. 1611; (6) part of Sect. A, B, C and D, 29,414 ft. from Sta. 0 to Sta. 61 and from Sta. 556 to Sta. 667, monolithic brick with 5 ft. earth shoulders. Noted Dec. 19.

Neb., Grand Island—City plans to pave 7568 ft. Koenig, Lincoln and Cleburn Sts., 36 ft. wide, sheet asphalt or 3 in. fibre brick. About $100,000. Work involves 31,500 sq.yd. vertical fibre brick or asphalt, on concrete base, and 15,000 lin.ft. concrete curbing and guttering. I. R. Morearty, Grand Island, engr.

N. D., Fargo—City having plans prepared paving several miles of streets. W. Stevenson, city engr.

Montana—State Legislature, Helena, petitioned to submit $15,000,000 bond issue at next general election to be used for road work; funds to be spent through State Highway Dept.

Mont., Bigtimber—Comrs. Sweet Grass Co. will hold election Mar. 17, to vote on $100,000 bonds to improve roads and bridges.

Mo., Boonville—Cooper Co. voted $100,000 bonds to build hard surface roads. State and Federal Government will appropriate like amount.

Mo., Caruthersville—City plans to pave West 7th and 8th Sts., East 3rd, 5th, 7th, 9th and 12th Sts., also Beckwith, Cotton, Highland, Walker, Bushey and Eastwood Aves., concrete. F. C. Dwiggins, city engr.

Mo., Marshall—Saline Co. organizing Blackwater Rd. Dist. and plans to construct 10 mi. road, 16 ft. wide. About $160,000. E. Crutcher, Marshall, engr.

Mo., Marshall—Comrs. Marshall Special Rd. Dist. plan to build 8 mi. rock asphalt road, 16 ft. wide and one 125 ft. span concrete bridge. About $150,000. E. Crutcher, Marshall, engr.

Mo., Marshall—City plans to hard surface 9 mi. Marshall-Sedalia Rd. between southern city limits and Pettis Co. line.

Mo., St. Louis—Bd. Pub. Serv. soon receives bids paving 4.84 mi. streets, asphalt, brick and bituminous macadam. C. L. Talbert, City Hall, dir. streets and sewers.

Mo., St. Louis—Bd. Pub. Serv. plans to pave Whittier St. from Labadie to Ashland Sts., Natural Bridge St. from Salisbury to Farrar Sts., Natural Bridge St. from Farrar to Grand Sts., 7th St. from Cass to Howard Sts. and Morgan Ford St. from Chippewa to Fyler Sts. W. W. Horner, city engr.

Mo., St. Louis—Bd. Pub. Serv. soon receives bids paving 300 ft. Bellerive Park Bridge with wood blocks, 60 ft. wide. About $15,000. L. R. Bowen, city engr.

Mo., St. Louis—City receives bids in spring building and improving Kingshighway from Easton Ave. to Penrose Park and Kingshighway Northeast from Penrose Park to West Florissant Ave. About $30,000. W. W. Horner, city engr.

Mo., Sedalia—City plans to pave 7 streets involving 35,000 sq.yd. brick and 4100 sq.yd. concrete pavement. About $95,877. F. T. Leaming, city engr.

Tex., Cisco—City Comrs. plan to improve streets. About $50,000.

Tex., Dallas—City plans to pave Jefferson Ave. from Lancaster to Polk Sts., bitulithic. G. D. Fairtrace, city engr.

Tex., Dallas—City plans to widen and pave South Lamar St., also pave Austin St. from Commerce to Young Sts. G. D. Fairtrace, city engr.

Tex. Del Rio—Comrs. Valverdie Co. plan to pave 7 mi. Del Rio-Canadian Highway, tarvia. About $45,000.

Tex., Ft. Worth—Comrs. Tarrant Co. plan to build 6 mi. Ft. Worth-Dallas Pike, 4 mi. Denton Rd., 14½ mi. Meridan Highway, 10 mi. Azle-Springtown Rd., 7 mi. Weatherford Rd., 14 mi. Granbury Rd. and 6½ mi. Lake Worth Dam Rd.

Tex. Port Lavaca—Comrs. Calhoun Co. plan to build 10 mi. Mudshell Highway. About $120,000.

Tex. Sonora—Comrs. Sutton Co. plan to rebuild San Angelo-Sonora Highway.

Tex., Waxahachie—City election Feb. 11, to vote on $60,000 bonds to pave streets and extend water and sewer mains.

Colorado—State Highway Comn., Denver, plans election to vote on $20,000,000 bonds to build highways.

Colorado—State Highway Comn., Denver, soon lets contract completing 10 mi. Fall River Rd. in Rocky Mountain Natl. Park, Larimer and Grand counties. About $60,000 available. J. E. Maloney, state highway engr.

Idaho, Bonners Ferry—S. E. Henry, mayor, soon lets contract paving 12 blocks. About $30,000.

Utah, Salt Lake City—See "Miscellaneous."

Utah, Salt Lake City—City plans to pave 15 mi. of streets and lower water mains, cost, $450,000; curb, gutter and grade city streets and widen and lower water mains, $300,000; improve sidewalks with concrete, $60,000. S. Q. Cannon, city engr.

Washington—State Highway Comn., Olympia, has about $12,000,000 available for road work during year which will be expended as follows: Natl. Forest Rds., $500,000, Federal Aid; Federal Aid post roads and state highways, $2,000,000, State Highway Dept.; permanent highways and other main county highways, district roads and bond roads, $5,500,000, county administrations; maintaining 2500 mi. primary state highways, $750,000; 1250 mi. permanent county highways, $250,000; 40,000 mi. tributary (local) district roads, $3,000,000. Work of maintenance to be done under county administrations. G. F. Cotterill, ch. engr.

Oregon—State Highway Comn., Salem, has following sums available for construction and maintenance of roads during year; $4,833,000 from state funds and $1,298,050 from Federal funds. Counties will spend approximately $5,000,000 of which $1,000,000 will be expended under direction of State Highway Comn. About one-half of county funds will be used for new construction and balance for maintenance. H. Nunn, engr.

Streets and Roads (Continued)

California—State Highway Comn., Forum Bldg., Sacramento, had surveys made for improving, grading, draining, paving and building bridges on 50 mi. state highway across mountains through Coalinga. Cost will be borne by State and Fresno, Tulare, Kings and Monterey Counties. A. B. Fletcher, engr.

Cal., El Centro—City plans to pave ½ mi. East Main St., bituminous wearing surface on concrete base. About $25,000.

Cal., Fresno—Bd. Supervs Fresno Co. appropriated $25,000 to grade, gravel and improve 7 mi. road from Tranquility to San Joaquin. C. Jensen, co. surv.

Cal., Los Angeles—Bd. Pub. Wks. receives bids in February paving, grading, curbing, guttering and draining Washington St. from Arlington St. to Vineyard Ave., 5 in. concrete base with broken stone and asphalt cement binding course, asphalt wearing surface, cement curbs, vitr. and granite block gutters and vitr. pipe sanitary sewers. About $60,000. A. C. Hansen, city engr.

Cal., Sacramento—City Comn. receives bids in March paving alleys in 12th and 13th Sts. between H and I Sts. and between J and K Sts., 11th and 12th Sts. between J and K Sts., involving 2489 sq.yd. 5 in. asphaltic macadam; in 13th St. between R and X Sts., 16th St. between X and Y Sts., and 14th St. between X and Y Sts., 1½ in. asphalt on 4 in. concrete base, involving 38,816 sq.yd. asphalt, 180 sq.yd. granite block and 3080 cu.yd. grading. F. C. Miller, city engr.

Cal., San Diego—City having plans prepared paving Imperial Ave. from 30th St. through Encanto, Lemon Grove and La Mesa Sts., 40 ft. wide, 5 in. asphalt macadam. G. Cromwell, city engr.

Cal., San Diego—Bd. Supervs. San Diego Co. plans to pave roads leading to Tijuana, Escondido, Julian and Riverside Twps., cost, $108,582; also oil and grade same, $148,779. Funds will become available about July 1.

Ont., Ottawa—City plans to pave Elgin St., cost $135,000; also plans to expend $200,000 for paving various other streets and $60,000 for building sidewalks. L. McLaren Hunter, engr.

Ont., Sarnia—City voted $11,000 bonds to pave various streets.

BIDS DESIRED

W. Va., Middlebourne—Until Feb. 24, by Comrs. Tyler Co. building 1 mi. Middlebourne-Salem Rd., Federal Aid Project No. 18, 14 ft. wide. E. J. Smith, clk.; advertised in this issue.

Ga., Atlanta—Until Feb. 1, by city, paving Lee St., cost, $200,000, South Pryor St., $150,000 and Pace's Ferry Rd., $200,000. C. M. Holland, supt. pub. wks.

Miss., Clarksdale—Until Feb. 3, by Bd. Supervs. Coahoma Co., furnishing 90,800 tons gravel, f.o.b. pits. T. S. Aberholdt, pres.

Kan., Oswego—Until Feb. 14, by Comrs. La Bette Co., grading and graveling 32nd St., Federal Aid Project No. 2, in Federal Rd. Dist. No. 5, Labette Twp., 53,640 ft. long, 26 ft. wide, involving 95,360 cu.yd. gravel, 41,328 cu.yd. earth excav. and 1716 ft. 15-30 in. concrete pipe culverts. About $200,000. W. J. King, Oswego, engr.

Tex., San Antonio—Until Feb. 3, by City Comrs., grading and surfacing 5500 ft. New Braunfels Ave. from Van Ness to Commerce Sts., 30 ft. wide, 2 in. bituminous, trap rock, rock asphalt or bithulithic. Work involves 20,000 sq.yd. pavement. H. Helland, city engr.

Okla., Tulsa—Until Feb. 17, by Comrs. Tulsa Co., building state roads Miles 1 to 6, inclusive of Sect. "Y" and Miles 1 to 2 inclusive Sect. "I." L. Cline, clk.; advertised in this issue.

Idaho—Until Feb. 10, by State Highway Comn., Boise, grading and graveling 4 mi. road in Albion Twp., Cassia Co. About $25,000. A. H. Weatherbee, highway engr.

Oregon—Until Feb. 4, by State Highway Comn., Yeon Bldg., Portland, for (a) paving from Multnomah Co. line at Bertha to Hillsboro and Beverton; (b) from Josephine Co. line to Grants Pass; (c) from Polk Co. line to Corvallis; (d) grading and graveling Columbia River Highway across Morrow Co., (e) grading from Stage Coach Pass, north, near Glendale, in Douglas Co., (f) from Yoncolla to Drain; (g) overhead crossing on Douglas Lane Co. lines at Divide; (h) at Comstock, at Pass Creek Canyon. Highway Comn. will pave 7.7 mi. road from Albany to Jefferson in Linn Co., and 10½ mi. in Benton Co. from Corvallis to Polk Co. line if counties will do grading. Noted Jan. 23.

California—Until Feb. 17, by State Highway Comn., Forum Bldg., Sacramento, grading 15.2 mi. and paving 11.4 mi. road 12 ft. wide on 4 in. base, between Tecade Divide and easterly boundary of San Diego Co. Work involves 66,000 cu.yd. excav., 11,140 cu yd. concrete pavement, 390 cu.yd. concrete culvert, 2949 ft. 18-30 in. corrugated pipe, etc. A. B. Fletcher, engr. Noted Jan. 9.

California—Until Feb. 17, by State Highway Comn., Forum Bldg., Sacramento, building concrete road through Rockland Twp., Placer Co. and gaps in pavement near Penryn, involving 2970 cu.yd. concrete pavement, 15 ft. wide on 4 in. base, 32,000 cu.yd. excav., etc. About $32,200. A. B. Fletcher, engr. Noted Jan. 23.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. J., Secaucus**—Comrs. Hudson Co. (Jersey City), let contract grading and improving County Ave. from Paterson Plank Rd. to County Ave., to Clinton Contg. Co., 306 Charles St., West Hoboken, cost plus percentage. Noted Jan. 16.

★**Md., Baltimore**—City having plans prepared by G. F. Wieghardt, city highway engr., repairing 2 mi. road from city to Curtis Bay, using crushed stone, gravel, macadam and concrete; also 6 mi. North Point Rd. to Sparrows Point, using concrete and probably some oyster shell. Cost between $15,000 and $20,000. Work will be done by day labor.

Wis., Baraboo—Sauk Co. received bids building concrete road from T. E. Wesley, La Crosse, $87,679; J. McDonnell, Duluth, Minn., $90,619; A. Judvine, Baraboo, $99,235.

★**Minn., Madison Lake**—Waseca Co. let contract grading 6 mi. road, to J. Brown, Madison Lake.

Kan., Topeka—Shawnee Co. received only bid building 9.85 mi. Topeka Lawrence Co. Rd. on Fort to Fort Highway, 18 ft. roadway, including 2 course concrete, 6 in. base on 2 in. top course, from J. O. Patterson Co., Kansas City, cost, $39,000 per mile. Noted Jan. 2.

★**Tex., San Antonio**—Comrs. Bexar Co. plan to expend $300,000 during year to grade repair and build various roads. About $20,000 to $25,000 will be expended each month. Work will be done by day labor.

★**Tex., San Antonio**—City let contract resurfacing 2220 ft. East Commerce St. from Alamo to Chestnut Sts., 23.4 ft. wide, to Uvalde Rock Asphalt Co., Swearingen Bldg., $13,546. Work involves 5560 sq.yd. asphalt pavement.

★**Tex., Van Horn**—Tulberson Co. let contract grading, graveling and bridging 43 mi. road on State Highway No. 1, to W. E. Hamilton, Monahaus, $68,000.

★**Tex., Victoria**—City let contract paving 19 blocks of streets including East Santa Rosa, Moody, Forrest and Vine Sts., and Goodwin and Stayton Aves., to Uvalde Rock Asphalt Co., Swearingen Bldg., San Antonio, $36,513.

★**Wash., Seattle**—King Co. let contract grading and graveling 3252 ft. Boddy-Hindle Rd., 20 ft. wide, also building trestle and wharf, to C. C. Snyder Co., Pacific Blk., $15,850. Work involves 5000 cu.yd. earth excav., 173,000 ft. b. m. lumber, etc. Noted Jan. 23.

Railways

PROPOSED WORK

California—See "Miscellaneous."

Excavation and Dredging

PROPOSED WORK

Mass., Newton (Boston P. O.)—Dredging—State Legislature petitioned to authorize Metropolitan Park Comn., 18 Tremont St., Boston, to expend $50,000 to dredge, fill, grade and improve lands of Metropolitan Park Dist. and water of Charles River, between Moody St. dam in Waltham and Newton Lower Falls, to protect public health in river in Newton, Waltham, Weston and Wellesley.

Wis., Baraboo—Excavation—See "Streets and Roads."

Wis., Racine—Drainage—Comrs. Racine Co. plan to build 15 mi. Hoods Creek D. D., Pleasant Twp. P. J. Myers, 1st Natl. Bank Bldg., atty.

Ia., Montezuma—Ditch—Comrs. Poweshiek Co. receive bids in April building 11.72 mi. Bear Creek Ditch. Work involves 330,000 yd. excav. and 3 laterals, 2.3 mi. long involving 65,000 yds. excav. T. L. Blank, Oskaloosa, engr.

Mo., St. Louis—Excavation—See "Miscellaneous."

Wash., Yakima—Drainage—Yakima Co. D. D. plans to complete project across Naches River involving 1 mi. ditch, cost, $25,000; digging 4 mi. ditch in Granger Dist., $17,000; 2 mi. canal east of Sunnyside, $13,000. J. O. Greenway, engr.

Cal., Modesto—Irrigation—See "Miscellaneous."

BIDS DESIRED

N. Y., Syracuse — Excavation — See "Sewers."

Ind., South Bend—Channel—Until Feb. 15, by J. F. Wagner, 531 Leland Ave., widening channel in St. Joseph's River; advertised in this issue.

Ill., Lewistown—Levee—Until Feb. 3, by Comrs. Thompson Drainage and Levee Dist., Fulton Co., for following work.

Sect. 1—One cement-stucco pump station, expanded metal construction, steel frame and roof trusses, steel rein.-con. foundation and sump, equipped with 3 low lift double suction centrifugal pumps with intake and discharge pipes, 3 electric motors, 1 motor exhauster, switchboards, meters, electric lighting stove, etc., complete in place.

Sect. 2—125 acres heavy clearing and 40 acres light clearing.

Sect. 3—544,732 cu.yd. Main Levee, 8 ft. crown, dragline work, 261 stations, muck ditch, 2 ft. base, 3 ft. top, 3 ft. deep.

Sect. 4—1,078,305 cu.yd. Main Levee, 8 ft. crown, 46,000 cu.yd. auxiliary levee, 8 ft. crown, floating dredgework 379 stations muck ditch, 2 ft. base, 3 ft. top, 3 ft. deep

Sect. 5—363,719 cu.yd. Ditch No. 1, 19,959 cu.yd. Ditch No. 2, 21,284 cu.yd. Ditch No. 3, 16,359 cu.yd. Ditch No. 4, 15,468 cu.yd. Ditch No. 5, 77,740 cu.yd. Ditch No. 6, 13,090 cu.yd. Ditch No. 7, 11,594 cu.yd. Ditch No. 8, 245,410 cu.yd. Ditch No. 9, 21,994 cu.yd. Ditch No. 10, 18,632 cu.yd. Ditch No. 11, floating dredgework.

Sect. 6—15,377 cu.yd. Cooper's Branch Diversion Channel, dragline work.

Minn., St. James—Ditch—Until Feb. 10, by A. G. Countryman, co. aud., building 27,000 ft. 6 to 18 in. tile ditches, Judicial Ditch No. 26. About $10,000. J. A. Krall, engr. Noted Dec. 19.

Cal., Sacramento — Excavation — See "Streets & Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★**N. Y., Albany**—Barge Canal Works—W. W. Wotherspoon, supt. pub. wks., let contract excavating canal channel in Genesee River, near Elmwood Ave. bridge, Contr. No. 191, to Empire Eng. Co., 6 Church St., New York City, $176,170. Noted Jan. 16.

★**N. Y., Seneca Falls**—Barge Canal Works—W. W. Wotherspoon, supt. pub. wks., capitol, Albany, let contract extending core wall and other work at north end of Dam No. 2, here, Contr. T. to Kennedy & Scullen Constr. Co., Cohoes, $22,300. Noted Jan. 23.

★**Mo., Kansas City**—Excavation—Fire & Water Bd. let contract excavating 80,000 cu.yd. at St. John and Wabash Aves., North Terrace Park for proposed 17,000,000 gal. rein.-con. reservoir, to E. H. Bradbury, Kansas City. About $51,200.

★**Tex., Brownsville** — Canal — Comrs. Poplar Creek, Big Muddy Creek and Kail Creek, D. D., let contract building Poplar Creek Canal involving 145,670 cu.yd. excav. to N. C. McGimica & Co., Memphis, Tenn.; Big Muddy Creek Canal involving 279,760 cu.yd. excav., to F. M. Horton, 140 South Dearborn St., Chicago, Ill.; Kail Creek Canal involving 119,790 cu.yd. excav. to Indiana Dredging Co., Royal Center, Ind.

Cal., Los Angeles—Reclamation—Harbor Comn. received bids Jan. 15, building loose rock bulkhead, 60 ft. wide at base, 22 ft. high, for reclaiming tide lands at San Pedro, about 40,000 tons rock required. (1) furnishing and placing stone, (2) furnishing stone only, from Russell-Greene-Foell Co., 2644 Compton Ave., (1) $2.34 per ton; Bly Bros. & McGilliard Stone Co., 7th and Utah Sts., (2) $1.35.

Industrial Works

PROPOSED WORK

R. I., Providence—See "Buildings."

Conn., Bridgeport—Bd. Health & Charities asked city to appropriate $50,000 to build brick and rein.-con. garage, rein.-con. flooring and concrete foundation on Washington Ave.

Conn., Bristol—New Departure Mfg. Co., 269 North Main St., having plans prepared for 1 story, 90 x 302 ft. brick hardening shop, rein.-con. flooring and concrete foundation on North Main St. About $60,000.

Conn., Hartford—Libby, McNeil & Libby, 252 Asylum St., plan to build 3 story, 50 x 112 ft. rein.-con. cold storage plant, rein.-con. flooring and concrete foundation, on Edwards St. About $60,000. P. Larmon, c/o Swift & Co., Union Stock Yards, Chicago, engr.

N.Y., Albion—Bd. Dirs. State Home of Refuge for Women, applied to State Legislature, Albany, for appropriation of $30,000 to build cold storage and ice making plant.

N. Y., Brooklyn—Lurwall Realty Co., 49 Graham Ave., had plans prepared by Shampan & Shampan, archts., 772 Bway., for 1-story, 90 x 200 ft., steel and brick garage, rein.-con. flooring, brick foundation, North 1st St. near Bedford Ave. About $55,000.

N. Y., Brooklyn—Pennsylvania Textile Co., Madison Ave. and 25th St., New York City, had plans prepared building 1 story, 60 x 60 ft., steel and brick textile mill, rein.-con. flooring, concrete foundation, in Greenpoint. About $35,000. R. G. Cory, 39 Cortlandt St., New York City, archt.

N. Y., Buffalo—Mayer Clarkson Co., 453 Ellicott Sq., plans to build 1 story, 100 x 250 ft. rein.-con. and steel factory on Delaware Ave. and Erie R. R.

N. Y., Central Islip—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $80,000 for addition to storehouse and refrigerating plant at Central Islip State Hospital.

N. Y., Coney Island (Brooklyn P. O.)—M. E. Finnigan, 44 Court St., Brooklyn, having plans prepared by P. J. Gallager, archt., 75 Oriental Bldg., for 1 story, 50 x 200 ft., steel and brick garage, Coney Island and Greenwood Aves. About $35,000.

N. Y., Creedmore—State Hospital Comn., Albany, applied to State Legislature for appropriation of $65,000 for laundry and equipment and $65,000 for bakery, at Brooklyn State Hospital, here.

N. Y., Hudson—Cottage—Bd. Dirs. New York State Training School for Girls, applied to State Legislature, Albany, for appropriation of $52,000 to build cottage containing kitchen, linen rooms, etc.

N. Y., Malone—Kirk-Maher Co., West Main St., plans to build 3-story, 41 x 56 ft., steel and concrete factory. About $40,000.

N. Y., Newark—Bd. Dirs. New York State Custodial Asylum for Women applied to State Legislature, Albany, for appropriation of $70,000 for laundry and equipment and $50,000 for storehouse, cold storage and equipment.

N. Y., New York—A. C. Merkle Inc., 233 Bway., having plans prepared by A. B. Lucius, archt., 38 Park Row, for altering and building 4 story addition to brick and steel factory, rein.-con. flooring, concrete foundation, West and Horatio Sts. About $145,000.

N. Y., New York—C. Muller, Rockaway Park, had plans prepared by J. T. Powers, archt., 220 Larken St., Rockaway Park, for 4 story, 100 x 200 ft., rein.-con., steel and brick garage, rein.-con. flooring, concrete foundation, on Dykman St., near Sherman Ave., here. About $100,000.

N. Y., Rochester—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $72,000 to build addition to power plant at Rochester State Hospital.

N. Y., Thiells—See "Buildings."

N. Y., Watertown—See "Miscellaneous."

N. J., Newark—F. Grad, archt., 245 Springfield Ave., receives bids about Mar. 1, building 3 story, 40 x 100 ft., concrete and brick warehouse and store, rein.-con. flooring, concrete foundation, at 157 Ferry St., for Lion Furniture Co. About $25,000. Noted Jan. 16.

Pa. Carbondale—T. J. Mulholland having plans prepared for brick ice cream plant. About $60,000.

S. C., Charleston—Eltwan Fertilizer Co. plans to rebuild 2 story acid chambers on Cooper River recently destroyed by fire. About $125,000. F. Burludge, pres.

Fla., Miami—J. J. Hamilton, ch. archt. for Armour & Co., 208 South La Salle St., Chicago, soon lets contract building rein.-con. refrigerating plant and storage building on 6th St. and Ave. B here. About $100,000. Noted Oct. 3.

Miss., Pascagoula—See "Miscellaneous."

O., Cincinnati—Goodyear Tire & Rubber Co., Akron, purchased site on Gilbert Ave. and Elsinore Pl. and plans to build 6 story factory and warehouse.

O., Cincinnati—Teasdale Co., 625 Walnut St., purchased 32,000 sq.ft. site on Reading Rd. and McMillan St., and plans to build 2 story dry cleaning plant.

O., Cleveland—Clover Meadow Creamery Co., Crawford Rd. and Hough Ave., having plans prepared by W. G. Caldwell, archt., 1206 Williamson Bldg., building 2 story brick, steel and rein.-con. creamery plant, rein.-con. flooring, at 1827 East 55th St. About $60,000.

O., Cleveland—Electric Steel & Forge Co., East 61st St., plans to build 1 story 60 x 160 ft. brick, steel and rein.-con. machine shop and warehouse, rein.-con. flooring and concrete foundation, on Grant Ave. About $200,000. A. M. Allen Co., 1900 Euclid Ave., archts.

O., Cleveland—Sparks Withington Co., 622 Swetland Bldg., plans to build brick, steel and rein.-con. factory, rein.-con. flooring, on East 152nd St. near St. Clair Ave. About $100,000.

O., Washington C. H.—Sunlight Creameries Co. plans to build 5 story cold storage plant and sales pavilion on 12 acre site.

Ind., Sullivan—Mutual Truck Co. plans to purchase 30 acre site near here and build 100 x 300 ft. brick and steel factory. R. E. Petrie, pres.

Ill., Woodriver—Standard Oil Co. of Indiana, 910 South Michigan Ave., Chicago, plans to build 25 workmen's homes and addition to refinery here. C. B. Manbeck, Woodriver, genl. mgr.

Wis., Appleton—Graef Wire Mfg. Co., Neenah, soon lets contract building four 2 story, brick buildings here. About $350,000. E. Wettengel, 901 Washington St., archt. Noted Dec. 5.

Wis., La Crosse—Tri-State Ice Cream Co. receives bids in March building 2 story, 60 x 60 ft. factory. About $30,000. Bentley & Merman, 210 Linker Bldg., archts.

Wis., Milwaukee—Globe Seamless Steel Tube Co., Burnham St., having plans prepared by Worden-Allen Eng. Co., engrs., 208 South La Salle St., Chicago, building 1 story, 242 x 300 ft., brick and steel factory, brick foundation.

Wis., Milwaukee—Janke Shoe Mfg. Co. plans to build 3 story, 34 x 120 ft. addition to factory at 762 32nd St. E. C. Janke, pres.

Wis., Onalaska—Onalaska Pickle & Canning Co. having plans prepared by W. E. Bennett, archt., Batavian Bank Bldg., La Crosse, building 3 story, 24 x 44 ft., concrete and steel factory, here. E. Johnson, mgr.

Ia., Cherokee—Beuttler & Arnold, archts., 610 Security Bldg., Sioux City, receives bids in February building 2 story, 32 x 80 ft. rein.-con. and brick storage building, rein.-con. flooring, concrete and brick foundation, for Sache & Bunn Co., 322 3rd St. About $30,000.

Ia., Manley—Chicago, Rock Island & Pacific Ry., La Salle St., Chicago, had plans prepared building 1 story, 32 x 64 ft. icing station and storage plant here. About $25,000. C. A. Morse, ch. engr.

N. D., Marmarth—Chicago, Milwaukee & St. Paul R. R. plans to build shops and roundhouse here. C. F. Loweth, Chicago, ch. engr.

Mont., Great Falls—State voted $250,000 bonds to build grain elevator here.

Mo., Armstrong—Liberty Farmers Club plans to build grain elevator. About $50,000. Address J. E. Walkup, c/o owner.

Mo., Kansas City—H. D. Lee Mercantile Co., 20th and Wyandotte Sts., having plans prepared for addition to 9 story building. About $500,000.

Mo., St. Louis—J. M. Hirshstein, archt., 5777 De Giverville Ave., receives bids in March building 10 story, 125 x 158 ft. factory on northeast corner Jefferson and Locust Sts., for S. Haas Hat Co., 23rd and Locust Sts. About $250,000.

Tex., Houston—Industrial Transportation Co., Carter Bldg., having plans prepared by F. J. Woerner, archt., Sumpter Bldg., Dallas, building plant here. About $1,000,000.

Colo., Denver—City soon receives bids building 1 story, 73 x 265 ft. rein.-con. garage and warehouse, Larimer and 13th Sts., for Dept. Parks & Impvts. Cost between $700,000 and $800,000. J. B. Hunter, city engr.

Wash., Spokane—Centennial Mill Co., North 817 Howard St., having preliminary sketches prepared for flour mill and grain elevator. About $800,000.

Wash., Spokane—Try-Blu Biscuit Co., Rivision and Railroad Sts., having plans prepared by L. L. Rand, archt., Realty Bldg., for 2 story, 70 x 70 ft., brick addition to factory.

Cal., Bakersfield—Southern California Edison Co., 301 South Bway., Los Angeles, having surveys made by E. F. Prouse, asst. engr., for large hydroelectric plant in Kern River Valley. Plans include construction of large dam. About $10,000,000. W. Dennis, Los Angeles, ch. engr.

N. S. Antigonishe—Town plans to rebuild electric light plant. About $40,000.

N. S., Halifax—D. C. Woods, Sackville and Market Sts., soon lets contract building 2 story garage. About $38,000. W. P. Leger, Cragg Bldg., archt.

N. B., Marysville—Nashwaak Pulp & Paper Co. plans to build pulp mill. About $400,000. N. M. Jones, genl. mgr.

Ont., Ft. William—Canadian Iron Corp. having plans prepared for remodeling foundry. About $125,000. P. J. Peake, engr.

Man., Portage la Prairie—Portage Milling & Transfer Co. plans to rebuild elevator recently destroyed by fire. Loss, $110,000. C. G. Earhart, mgr.

Sask., Gravelbourg—S. Chevrier plans to build electric light plant. About $40,000.

Sask., Melfort—Saskatchewan Coöperative Creameries having plans prepared for creamery and cold storage plant. About $60,000. J. Rutledge, mgr.

BIDS DESIRED

N. Y., Brooklyn—Until Feb. 10, by H. J. Nurick, archt., 957 Bway., building 2 story 120 x 160 ft., brick and steel warehouse, garage and workhouse, rein.-con. flooring, on Varick Ave., Meserole and Montrose Sts., for J. H. Werbelovskys Sons, 83 Meserole St. About $50,000.

N. Y., New York—Until Feb. 3, by R. McNiell, archt., 139 East 42nd St., building 5-story, 50 x 300 ft., steel and brick factory, rein.-con. flooring, concrete foundation, on 52nd St. and 12th Ave., for Kohler & Campbell, Inc., 11th Ave. and 50th St. About $40,000.

N. Y., New York—Until Feb. 25, by A. L. Kehoe & Co., archts., 1 Beekman St., building 3 story, 100 x 111 ft., rein.-con. and brick laundry, rein.-con. flooring, concrete foundation 99th St. between 1st and 2nd Aves., for Rapid Laundry Co. About $60,000.

Wis., Milwaukee—Prest-O-Lite Co., 30 East 42nd St., New York City, is receiving bids for 1 story, 60 x 100 ft., brick filling station, 619 Trowbridge Ave., here. About $55,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Worcester—E. T. Chapin, archt., 340 Main St., received lowest bid building 1 story, 160 x 210 ft. brick, steel and rein.-con. garage, rein.-con. flooring and concrete foundation, on Mechanic St. for A. H. Wheeler Co. Inc., from Federal Eng. Co., 518 Main St. About $60,000. Noted Jan. 16.

★**N. Y., Brooklyn**—Seabring Warehouse Co., 32 Court St., will build 1 story, 133 x 151 ft., steel and brick garage, brick foundation, on Hamiltom Ave. and 14th St. About $40,000. Work will be done by day labor.

★**N. Y., New York**—S. Stein, 120 East 13th St., will build 4-story, 35 x 100 ft., steel and brick garage, rein.-con. flooring, brick foundation. About $30,000. Work will be done by day labor.

★**N. Y., West Albany**—New York Central R. R. Union Depot, Albany, let contract building 1 story, 80 x 376 ft., steel and brick roundhouse, concrete foundation, here, to M. Kantrowitz, 20½ Market St., Albany. About $70,000.

Industrial Works (Continued)

★**Md., Highlandtown** (Baltimore P. O.)—Pompeian Co., Coca Cola Bldg., Baltimore, let contract building 1 and 3 story, 160 x 260 ft., concrete and brick factory, storage and office building, concrete foundation, 11th St., to C. B. Pierce, Phila. Rd. and 11th St., Baltimore. About $50,000.

★**Va., Money Point** (Gilmerton P. O.)—Hubbard Fertilizer Co., 802 Keyser Bldg., Baltimore, Md., let contract building 1 and 2 story, 150 x 192 ft., concrete and timber fertilizer plant, concrete foundation, here, to W. J. Gregory, 501 Law Bldg. About $50,000.

★**Ala., Calvert**—Natl. Reduction Corp., Boston, Mass., let contract building plant here to consist of 1 and 2 story, steel and concrete buildings, to A. D. Little Co., 30 Charles River Rd., Boston, Mass. About $200,000.

★**O., Cleveland**—Globe Machine & Stamping Co., 1250 West 76th St., let contract building 2 story, 60 x 135 ft. brick and concrete factory addition, rein.-con. flooring, to Craig-Curtis Co., 1013 Guardian Bldg. About $40,000.

★**O., Cleveland**—McKinney Steel Co., 4001 Dille Ave., let contract building 1 story, 152 x 164 ft. steel furnace addition on St. Clair Ave. and New York, Chicago and St. Louis R.R., to Amer. Bridge Co., 327 Guardian Bldg. About $75,000.

★**Mich., Detroit**—F. Stearns & Co., Jefferson Ave., let contract building 8 story, 100 x 110 ft. steel and rein.-con. drug plant, rein.-con. flooring and concrete foundation, on Jefferson Ave. and Bellevue St., to Bryant & Detwiler Co., 2336-9 Dime Bank Bldg. About $130,000. Noted Jan. 2.

★**Wis., Appleton**—Simons Cheese Co., Pacific and Morrison Sts., let contract building 80 x 160 ft. brick and mill construction warehouse, to C. R. Meyers & Sons Co., Oshkosh.

★**Ia., Des Moines** — Advance-Rumely Thresher Co., Vine and West 9th Sts., let contract building 3 story, 100 x 132 ft. factory and warehouse, to A. H. Neumann & Co., 7th and Walnut Sts. About $125,000. Noted Dec. 12.

★**N. S., Halifax**—Dominion Government, Ottawa, Ont., let contract building power house and laundry for military hospital on Camp Hill here, to Rhodes Curry Co., Ltd., Amherst, $210,565.

★**Que., Montreal**—P. Butler, Phillips Sq., let contract building garage, to Anglins, Ltd., 65 Victoria St. About $25,000.

★**B. C., Vancouver**—L'Air Liquide Societe, 1 Ernest St., Montreal, Que., let contract building 2 story, 75 x 85 ft., brick, steel and rein.-con. factory, on 5th and Yukon Sts., to S. J. Newitt, 954 17th St., W., Vancouver. About $25,000.

Buildings

PROPOSED WORK

N. H. Laconia—High School—Bd. Educ. having plans prepared by A. H. Dow, 101 Tremont St., Boston, building 2 story, 80 x 178 ft. brick and concrete, concrete foundation. About $15 000.

Mass., New Bedford—School—Bd. Educ. soon receives bids building 2 story, 117 x 155 ft. brick, steel and rein.-con., rein-con. flooring and concrete foundation, on Emery St. About $185 000. F. C. Brown, Chapman Bldg., archt. Noted Apr. 4.

Mass., Waltham (Boston P. O.)—Hospital—Comrs. Middlesex Co., (Cambridge), receive bids in spring, building 2 story, 400 x 400 ft. brick, rein.-con. and steel, rock foundation here. About $200,000. O. W. Cutter, 683 Atlantic Ave., Boston, archt.

R. I., Providence—School—Page & Page, archts. 87 Weybosset St., soon receive bids building 3 story, 42 x 60 ft. brick, timber and steel, concrete foundation, on Orms St., for Sons of Zion Society, 89 Orms St.

Conn., Bridgeport—Laboratory—Bridgeport Hospital, Grant St., plans to build pathological laboratory on Mill Hill Ave. About $50 000.

Conn. Bridgeport—Schools—Bd. Educ. plans to build additions to schools on Grand and McKinley Sts. About $575,000. E. H. Haven, pres.

Conn., New Britain—School—State plans to build 2 story, 64 x 110 ft. brick, timber, concrete and steel, rein.-con. flooring and concrete foundation, on Camp St. About $100,000. C. D. Hine, Hartford, state supt. Davis & Brooks, Lewis and Gold Sts., Hartford archts.

Conn., Waturbury—Theatre—S. Z. Poli, 24 Church St., New Haven, plans to build 1 story brick and steel, rein.-con. flooring and concrete foundation, here. About $500,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Conn., Waterville (Waterbury P. O.)—Church—St. Paul Episcopal congregation, 201 Boyden St., receives bids in spring building brick, timber, steel and concrete, concrete flooring and foundation, on Manville St. and Thomaston Ave. About $85 000. H. C. Senior, chn. W. E. Griggs Estate, 51 West Main St., engr. Noted Aug. 29 under Waterbury.

Conn., Willimantic — Dormitory — State plans to build 3 story, 46 x 114 ft. and 30 x 46 ft. brick, timber, steel and concrete, rein.-con. flooring and concrete foundation, on Valley St., About $150,000. C. D. Hine, Hartford, state supt. Davis & Brooks, Lewis and Gold Sts., Hartford, archts.

N. Y., Albany—State Office—Trustees Pub. Bldgs. applied to State Legislature for appropriation of $2,500,000 to construct state office buildings.

N. Y., Bath—Barracks—Bd. Dirs. New York State Soldiers' and Sailors' Home applied to State Legislature, Albany, for appropriation of $100,550 to rebuild barracks H and I.

N. Y., Binghamton—Hospital—State Hospital Comn., Albany, applied to State Legislature for appropriation of $150,000 to construct building for acute patients and $350,000 for building for chronic patients.

N. Y., Brooklyn—Hospital—Williamsburg Hospital, 342 Bedford Ave., having plans prepared by Helmle & Corbett, archts., 190 Montague St., for 7 story, 126 x 150 ft., steel and brick, brick foundation on South 9th St. and Driggs Ave. About $350,000.

N. Y., Central Islip—Chronic Group, Kitchen, etc.—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $700,000 to build chronic group, $125,000 for kitchen and dining-room building and $200,000 for buildings for acute patients, at Central Islip State Hospital.

N. Y., Cornell—School, Laboratory, etc.—Trustees Cornell University, applied to State Legislature, Albany, for appropriation of $150,000 to build school, laboratory, etc., here.

N. Y., Creedmore—Nurses' Home—State Hospital Comn., Albany, applied to State Legislature for appropriation of $200,000 to build nurses' home at Brooklyn State Hospital, here.

N. Y., Gowanda—Hospital—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $175,000 to build reception hospital at Gowanda State Hospital.

N. Y., Hudson—Bd. Dirs. New York Training School for Girls, applied to State Legislature, Albany, for appropriation of $48,000 to build 2 story, 38 x 82 ft. storehouse and refrigerating plant here.

N. Y., Huntington Park (Huntington P. O.)—Museum—A. Heckscher, 56 East 42nd St., New York City, having revised plans prepared by Maynicke & Franke, archts., 25 East 26th St., New York City, for 1-story, 44 x 113 ft. limestone and marble. About $100,000.

N. Y., Kings Park—Hospital, etc.—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $75,000 to construct building for tuberculosis patients; $50,000 for physicians' building; $50,000 for assembly hall; $75,000 for administration building and $200,000 for reception hospital; at Kings Park State Hospital.

N. Y., Middletown—Hospital, etc.—State Hospital Comn., Albany, applied to State Legislature for appropriation of $100,000 to construct building for convalescent patients and $100,000 for employees' home, at Middletown State Hospital.

N. Y., New York—Office and Loft—Baker, Carver & Morrell, 39 Water St., purchased site and plans to build 9 story, 28 x 83 ft. at 37 Water St.

N. Y., Poughkeepsie—Cottages—State Hospital Comn., Albany, applied to State Legislature, for appropriation of $50,000 for 2 cottages at Hudson River State Hospital here.

N. Y., Rochester—Hospitals—State Hospital Comn., Albany, applied to State Legislature for appropriation to construct buildings at Rochester State Hospital, one for housing 250 patients to cost, $250,000; 200 patients $160,000; 100 patients, $90,000; also for 12 cottages, $70,000.

N. Y., Rome—Industrial, Employees' School, etc.—Bd. Dirs. New York State Custodial Asylum, applied to State Legislature, Albany, for appropriation of $50,000 for industrial building, $50,000 for employees' building, $275,000 for school group consisting of dormitories, kitchen, dining room, etc., and $50,000 for nursery building.

N. Y., Syracuse—Horticultural—Bd. Dirs. State Fair, Syracuse, applied to State Legislature, Albany, for appropriation of $250,000 to construct horticultural building.

N. Y., Thiells—School, Assembly Hall, etc.—Bd. Dirs. Letchworth Village, applied to State Legislature, Albany, for appropriation of $40,000 for school; $60,000 for assembly hall and industrial building; $360,000 for 8 cottages; $70,000 for attendants' home; $90,000 for service building and $140,000 for girls group consisting of assembly hall and industrial building. F. Vanderlip, 7 Wall St., New York City, pres.

N. Y., Utica—Hospital—State Hospital Comn., Albany, applied to State Legislature for appropriation of $50,000 to construct industrial building at Utica State Hospital.

N. J., Newark—Fire and Police Stations—City will sell $200,000 bonds Feb 6, to build fire and police stations. M. R. Sherrard, city engr.

N. J., Newark—School—Bd. Educ. receives bids about Apr. 1, building 4-story, 200 x 200 ft. rein.-con. and brick, rein-con. flooring, concrete foundation, Sussex Ave. and 1st St., consisting of laboratories and power plant, etc. About $500,000. J. H. and W. C. Ely, Firemans Bldg., archts.

N. J., Newark — Store — See "Industrial Works."

Pa., Wilkes-Barre—Theater—Comerford-De Graff Theatrical Co. Scranton, plans to build theater on Public Sq. here. About $150,000. F. W. Herman, mgr.

Md., Baltimore—Laboratory or Library—Trustees John Hopkins University, Homewood, plan to build either chemical laboratory or library building on ground here. About $200,000 has been bequeathed by E. O. Mergenthaler for this purpose. Address F. J. Goodnow, Gilman Hall, pres. of college.

Md., Baltimore—School—S. Lasch, city councilman, introduced ordinance to appropriate $200,000 bonds for public school on Orleans, Baltimore, Asquith and Eden Sts.

Ga., Milledgeville — Home — Trustees Georgia State Sanitorium plan to build 3 story, brick home for nurses. About $100,000.

La., Lake Charles—Schools—City voted $200,000 bonds to build and repair schools damaged by storm. Noted Dec. 12.

O., Bellaire—Temple—F. F. Faris, archt., Schmulback Bldg., Wheeling, W. Va., receives bids in February, building 4 story 82 x 120 ft. brick for United Mine Workers of Sub Dist. No. 5 of Ohio. About $100,000. Noted July 25.

O., Cincinnati—School—Bd. Educ., 511 West Court St., having plans prepared by Tieting & Lee, archts., 4th Natl. Bank Bldg., for Harriet Beecher Stowe School, 3 story, brick home for nurses. About $100,000.

O., Cincinnati—School—Bd. Educ., 511 West Court St., plans to build Sherman school on 8th and 9th Sts., brick. About $250,000. Garber & Woodward, Union Century Bldg., archts.

O., Dayton—Church—Schenck & Williams, Mutual Home Bldg., soon lets contract building brick, stone and rein.-con., rein.-con. flooring brick foundation, on Salem Ave., for Grace Methodist Episcopal congregation, 4th and Ludlow Sts. About $200,000. Noted May 2.

O., London—Prison—Ohio Prison Bldg. Comn., Columbus, plans to submit estimate to A. Cox, governor, for new prison near here. State Legislature will be asked to appropriate $350,000, which together with unexpended balance will make total of $700,000.

Mich., Ironwood—Sanitarium—Gogebic Co. having plans prepared by C. J. Anderson, archt., Ironwood, for sanitarium. About $75,000.

Ill., Alton—Home—Catholic Orphanage plans to build addition. About $80,000. J. J. Ryan, Alton, bishop.

Buildings (Continued)

Wis., Eau Claire—Church—Norwegian Lutheran congregation plans to build 1 story. About $60,000. R.R. Syidal, pastor.

Wis., Janesville—School—Bd. Educ. plans to build. About $250,000.

Wis., Madison—School—Bd. Educ. soon lets contract building 2 story, 61 x 110 ft. About $80,000. F. L. Kronenberg, 18 North, Carroll St., arch.

Wis., Sheboygan — Exchange — Citizens Telephone Exch., 706 North 8th St., receives bids in February, building 4 story, rein.-con. and brick. About $70,000. W. C. Weeks, 720 Ontario St. archt. Noted June 6.

Wis., West Bend—Memorial Hall—City plans to build here. About $80,000. A. C. Clas, Colby-Abbot Bldg., Milwaukee, archt.

Ia., Council Bluffs—Chapel—Christian Home having plans prepared by J. C. Jensen, archt., 305 West Bway., building 2 story, brick and stone. About $50,000.

Ia., Waterloo—School—Bd. Educ. soon lets contract building 3 story, 55 x 125 ft. About $80,000. J. E. Dempater, secy. Noted Jan. 2.

Ia., Waverly—Dormitory—Wartberg Seminary having plans prepared by G. L. Lockhart, archt., 391 Endicott Bldg., St. Paul, for 2 story, rein.-con. and brick.

Minn., Aurora—High School—Bd. Educ. receives bids in spring building here. C. L. Pillsbury Co., 805 Metropolitan Life Bldg., Minneapolis, engrs. Noted Dec. 5.

Minn., Duluth — Church — Protestant Church Trustees, Morgan Park, having plans prepared by German & Jenssen, archts., Exch. Bldg., for 2-story, rein.-con., brick and steel, rein.-con. flooring, concrete and rock foundation, on Commonwealth Ave. About $100,000.

Minn., Duluth—Hospital—St. Lukes Hospital plans to build 4 story addition on 1st St and 10th Ave., E., rein. con. and brick, rein. con. flooring, concrete and rock foundation. About $100,000.

Minn. St. Paul—Hotel—Minor Hotel Co. receives bids in March building 15 story, 100 x 100 ft., rein.-con. and brick, 4th and Robert Sts. About $500,000. M. Fitzpatrick, 17 West 9th St., archt. Noted May 2.

Minn., Trommald—School—City plans to build. About $75,000.

Minn., Victoria—School—Bd. Educ. had plans prepared by Magney & Rusler, archts. and engrs., 450 Builders Exch., Minneapolis, building 2 story, here.

Minn., Waubun—School—City election in spring to vote on $60,000 bonds to build 2 story, 65 x 130 ft., rein.-con. and brick. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, archt.

Minn., Winnebago—School—Bd. Educ. receives bids in spring building 2 story, 74 x 112 ft., rein.-con. and brick. About $50,000. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, archt.

Kan., Assaria—High School—Bd. Educ. approved preliminary plans for 2 story, 58 x 100 ft. brick and rein.-con., with 16 x 60 ft. extension in rear. About $50,000. W. E. Hulse & Co., Hutchinson, archts.

Mo., Jefferson City—Dormitory—State Legislature asked to appropriate $200,000 to build dormitory here. Address C. E. Edwards, Jefferson City, representative.

Mo., Marshall—Hospital—Trustees J. Fitzgibbon Estate purchased site and plan to build memorial hospital. About $50,000. J. R. Hall, chn.

Mo., St. Louis—Court House—City plans to issue $2,000,000 bonds to build on Bway and Chestnut St. L. R. Bowen, city engr.

Mo., St. Louis—Fire House—Bd. Pub. Serv. soon receives bids building 2 story, 36 x 76 ft. and 28 x 65 ft. brick and timber firehouses Nos. 3 and 32. About $56,000. L. R. Bowen, city engr. Noted Dec. 12.

Mo., St. Louis.—Theater, etc.—M Loew, 1493 Bway, New York City, having plans prepared by T. W. Lamb, archt., 644-8th Ave., New York City for theater and business lofts, on 8th and Washington Sts here. About $500,000.

Tex., Dallas—Church — First Methodist congregation plans to build on Ross and Harwood Sts. About $500,000. A. V. Lane chn.

Utah, Salt Lake City—Bathhouse—City plans to build at Warm Springs. About $150,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—Memorial—City plans to build soldiers' and sailors' memorial building on University Campus. About $300,000. S. Q. Cannon, city engr.

Utah, Salt Lake City—Zoo—City plans to build at Liberty Park. About $65,000; also $35,000 will be expended for improvements to existing building. S. Q. Cannon, city engr.

Wash., Walla Walla—Temple—Knights of Pythias plan to build 2 story, 60 x 130 ft., on East Poplar St. About $50,000.

Cal., Long Beach — School — Bd. Educ. having plans prepared by Austin & Austin, archts., 1125 Baker-Detwiler Bldg., Los Angeles, for school on American Ave. About $100,000.

Cal., Long Beach—Y. M. C. A. plans campaign to raise funds to construct building; 6th and American Aves. About $200,000. R. H. Gossom, secy.

Que., Laval des Rapides—Club House—Laval Sur Lac Golf Club having plans prepared by G. A. Monette, archt., 83 Craig St. W., Montreal, for club. About $50,000.

Ont., Brantford—School—City voted $75,000 bonds to build school. A. K. Bunnell, City Hall, secy. treas. Noted Oct. 17.

Ont., London — Seminary — St. Peter's Cathedral plans to build on Waterloo St., N. About $300,000 available. M. F. Fallon, bishop.

Ont., Ottawa—Theater—J. J. Allen Co., Richmond and Victoria Sts., Toronto, plans to build on Bank St. here. About $250,000.

Ont., Toronto—Schools—Bd. Educ. plans to build Glen Gove and Glenholme Ave. schools. About $160,000.

Ont., Welland—Fire Hall—City voted $60,000 bonds to build fire hall. C. M. Stapf, clk. Noted Nov. 28.

BIDS DESIRED

N. Y., Brooklyn—Theater—Until Feb. 19, by Cohn Bros., archts., 361 Stone Ave., building 1-story, 80 x 190 ft., steel and brick, brick foundation, Cleveland St. and Pitkin Ave., for Cleveland Amusement Co., 645 Georgia St.

N. Y., New York—Hospital—Until Feb. 10, by L. Abramson, archt., 220 5th Ave., building four 4 story, steel and brick hospital buildings, Fulton Ave. and East 169th St., for Bronx Hospital. About $50,000.

N. Y., New York—School and Chapel—Until Feb. 6, by B. S. Coler, comr., dept. pub. charities, Municipal Bldg., for school and chapel on Randalls Island.

D. C., Wash.—Office and Loft—Until Feb. 5, by M. Heister & Co., archts., Union Savings Bank Bldg., for 5 story, 68 x 100 ft., steel and brick, concrete foundation, 9th St. and Mt. Vernon Pl., for International Assn. of Amer. Machinists, 9th St. and Massachusetts Ave. Noted Aug. 29.

O., Cincinnati—School—Until Feb. 24, by Bd. Educ., 511 West Court St. building Hoffman School, 3-story brick, Bloody Run Blvd. About $250,000. Hannaford & Son, Hulbert Blk. archts.

O., Phillipsburg—School—Until Feb. 21, by R. Davenport, clk., bd. educ., building 2 story, rein.-con. and brick, rein.-con. flooring, concrete foundation. About $50,000. Noted Sept. 12.

Minn., Cloquet—High School—Until Mar. 1, by bd. educ. building 3 story, 65 x 190 ft., rein.-con., brick and steel, rein.-con. flooring, concrete and rock foundation, on Main St. About $140,000. Croft & Boerner, Lonsdale Bldg., Duluth, archts.

Minn., Mountain Iron—School—Until Mar. 1, by H. E. Mitchell, secy. bd. educ., building 3 story, 134 x 156 ft., rein.-con. and brick, rein.-con. flooring, concrete, brick and rock foundation in Leonides Twp. About $175,000. W. T. Bray, Fidelity Bldg., Duluth, archt.

Minn., Mountain Iron — School — Until Mar. 1, by H. E. Mitchell, secy. bd. educ., building 3 story, 145 x 173 ft., rein. con., brick and steel, rein. con. flooring, concrete brick and rock foundation on Main St. About $200,000. W. T. Bray, Fidelity Bldg., Duluth, archt.

Waiting for Prices To Fall

It has been stated by many that the unprecedented power of the labor unions will maintain the present labor schedules. This will mean that profits must be cut if spring construction is not to be dangerously small. Hence, though production costs are not lowered, many manufacturers are reducing prices. These executives are farsighted enough to realize that the only way by which prosperity may be attained this year is to make the price attractive. They prefer to make a smaller unit profit on a large volume of sales rather than allow the business of the country to stagnate.

In the work of readjustment there are, happily, several optimistic features. Certain commodities that were distinctly war necessities and therefore unquotable for general use, are again on the market. For example, not since August, 1918, has asphaltum been on the open market in New York. The Government required not only the product, but the tankers as well. This product is again available for general use at $35 a ton in barrels and $30 in bulk. Road oils are again obtainable by contractors. The present prices are by no means staple. Within a month a drop is expected. It is conceivable that soon the price of asphalt products will be about what it was just prior to the war. This is hopeful, and anything that is hopeful in the price situation has a stabilizing effect.

Another cause for optimism is the recent drop in the price of cement to contractors. On Jan. 18 it declined 55c. per barrel—from $4 at dock in New York, in cargo lots to contractors, to $3.45. This decrease is not due to lowered production cost, but to a desire to stimulate construction. Enlightened men are sacrificing excessive pro ts, because they know that a slack 1919 may cause a ruinous 1920.

Buildings (Continued)

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Watertown** (Middlesex P. O.)—Office—Aetna Mills let contract building 2 story, 42 x 100 ft. brick and rein.-con., rein-con. flooring and concrete foundation, to H. Wales Lines Co., 134 State St., Meriden, Conn. About $75,000. Noted Jan. 23.

★**N. Y., Brooklyn**—School—Coney Island Talmud Torah, Inc., 2861 West 32nd St., Coney Island, will build 3 story, 56 x 100 ft., steel and brick, brick foundation, on 31st St. between Mermaid and Neptune Aves., Coney Island. About $50,000. Work will be done by day labor. Noted Jan. 16.

★**N. Y., Brooklyn**—Theatre—J. Speelberg, 308 Sheffield Ave., will build 2 story, 75 x 200 ft., steel and brick, rein.-con. flooring, concrete foundation, at 381 Stone Ave. About $75,000. Work will be done by day labor.

★**N. Y., Rochester** — Store — Oppenheim Collins, 35 West 34th St., New York City, let contract building 8 story, steel and brick addition here, concrete foundation, to C. A. Cowan, 30 East 42nd St., New York City; cost plus percentage.

Wis., Kenosha—Schools—Bd. Educ. received only bid building two 2 story, 147 x 182 ft., rein.-con. and brick, from Madsen & Peterson, 802 Plymouth Bldg. Minneapolis, Minn. About $165,000.

★**Colo., Windsor**—High School—Bd. Educ. let contract, to A. Olson, Denver, $70,885.

Cal., Los Angeles—School—Bd. Educ., 730 Security Bldg., received bids Jan. 15, building 2 story, 125 x 160 ft., hollow tile, concrete foundation, on Soto St., from C. Karseboom, 1445 Dana St., $52,600; Pozzo Constr. Co., 427 Macy St., $53,057; K. R. Bradley, 527 East Jefferson St., $54,600.

★**Ont., Ottawa**—Office—Dominion Government let contract extending office building of Dept. of Soldiers' Civil Re-Establishment, to Taylor & Lackey, Ottawa. About $55,000.

Federal Government Work

PROPOSED WORK

N. Y., Rockaway—Addition to Dispensary—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans; Spec. 3780. About $20,000.

Pa., Ft. Mifflin—Fire Protection System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans; Spec. 3779. About $20,000.

Pa., Phila.—Addition to Shipbuilding Slip—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build addition to shipbuilding slip 283; Spec. 3781. About $325,000.

Pa., Phila.—Bridge Cranes—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install two 15 ton E. T. bridge cranes; Spec. 3777. About $70,000.

Pa., Phila.—Temporary Steel Storage—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans; Spec. 3775. About $150,000. Bids will be received at local yard.

Md., Baltimore—Harbor Improvement—U. S. Bd. Army Engrs. receives bids about Feb. 1, improving harbor channels, including 35-ft. channel in Patapaco River and 30-ft. channels in Curtis Bay and Spring Gardens branches. Work involves 152,000 cu.yd. maintenance dredging in Ft. McHenry Sect., 171,000 cu.yd. in Ft. McHenry, Brewington angle, 312,000 cu.yd. in cut-off section, 226,000 cu.yd. from Brewington channel, 108,000 cu.yd. from Brewington cut-off angle, 150,000 cu.yd. from cut-off Craighill angle, 120,000 cu.yd. from York Spit Sect., 1,124,000 cu.yd. from Curtis Bay Sect. and 2,800,000 cu.yd. from 35 ft. sect. of branch channel in southwestern part of Baltimore harbor. About $675,432. W. M. Black, engr.

Va., Yorktown—Wood Pier and Approach—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Dec. 23, building at Navy Mine Depot; Spec. 3491. Noted Jan. 2.

N. C., Monroe—Radio Buildings, Garage, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Dec. 30, building radio buildings, garage, barracks and 3 officers' quarters at Southern Radio Sta.; Spec. 3683. Work will be readvertised. Noted Jan. 9.

S. C., Paris Island—Laundry—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3783. About $41,000

Minn., Duluth—Customhouse—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., plans to build steel, rein.-con. and brick customhouse, brick, rock and concrete foundation, on 1st St. and 5th Ave., W. About $1,000,000.

Mo., St. Louis—Developing Waterways—Natl. Rivers & Harbors Comn. applied to Congress Wash., D. C., for appropriation of $400,000,000 to develop navigable waterways. Plans include improving Mississippi River and tributaries as follows, 12 ft. channel from St. Louis to New Orleans, 9 ft. channel from St. Louis to St. Paul, 9 ft. channel for Ohio and Illinois Rivers and 6 ft. channel for Missouri River, to cost about $160,000,000.

Tex., North Ft. Worth—Wells and Pumps—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Jan. 6, building 2 wells and installing pumps at Argon production plant; Spec. 3577. Work will be readvertised. Noted Jan. 9.

Tex., San Antonio—Refrigerating Plants—Constr. Div., War. Dept., Wash., D. C., authorized enlargement of refrigerating plants at Camp Travis and Ft. Sam Houston base hospitals. About $10,000. Work will be done under supervision of Major F. G. Chamberlain, Constr. Quartermaster.

Cal., San Francisco—Extension to Wharf—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build extension to Long Wharf, here; Spec. 3782. About $19,000.

BIDS DESIRED

N. H., Portsmouth—Piping and Circulating System—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3416. About $40,000.

Mass., Boston—Steel Stock and Storage Shed—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3736. About $80,000. Noted Jan. 2

N. Y., Fire Island—Barracks—Until Mar. 3, by Bureau Yards & Docks, Navy Dept., Wash., building barracks at U. S. naval radio sta., here; Spec. 3728. Noted Jan. 16

N. Y., New York—Chimney for Boiler Plant—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3606. About $15,000. Noted Oct. 31.

N. Y., New York—Coal and Ash Handling Equipment—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3607. About $80,000. Noted Oct. 31.

N. Y., Ward's Island—Laundry Equipment—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3665. About $8500. Noted Nov. 21.

N. Y., Wards Island—Refrigerating Plant Equipment—Until Feb. 10, installing; Spec. 3749. About $30,000. Noted Jan. 9.

Pa., Ft. Mifflin—Railroad Extension—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building; Spec. 3727. About $20,000; $10 deposit required for plans and spec. Noted Dec. 19.

Pa., Ft. Mifflin—Tank and Tower—Until Feb. 5, by U. S. Engineer Office, Phila., building steel water tank and tower, here.

Md., Indianhead—Small Boat Basin and Bulkhead—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3776. About $42,000.

Va., Hampton Roads—Coal and Ash Handling Equipment — Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here; Spec. 3300. About $60,000.

Va., Hampton Roads—Equipment, etc.—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing machinery equipment and piping in power plant; Spec. 3328. About $125,000; $10 deposit required for plans and spec.

Va., Quantico—Tanks—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing 2 rein.-con. tanks in marine corps barracks; Spec. 3628. About $4800. Noted Nov. 14.

Mo., St. Louis—Surgical Dressing Room—Until Feb. 20, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building surgical dressing room in U. S. Marine Hospital here.

Tex., Galveston—Hangars, Pavement and Beach—Until Feb. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing 3 hangars, etc.; Spec. 3432. About $485,000. Former bids rejected. Noted Jan. 9.

Cal., Mare Island (Vallejo P. O.)—Fuel Oil Storage Plant—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3631. About $400,000; $5 deposit required for plans and spec. Noted Nov. 7.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chatam**—Service Connections—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building service connections to buildings, to Hixon Electric Co., 246 Summer St., Boston, $12,835, (60 days)

★**Conn., New London**—High Pressure Air System—Bureau Yards & Docks, Wash., D. C., let contract building at Submarine Base, to Carroll Electric Co., 714 12th St., Wash., D. C., $13,560, (125 days). Noted Dec. 19.

★**N. Y., New York**—Altering Post Office Lobby—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract, to B. Knopp 431 West 41st St., $5094. Noted Jan. 16.

D. C., Wash.—Bridge—Dist. Comrs., Dist. Bldg., received bids building bridge on Concord Ave., between 3rd and 4th Sts., (1) excav.; (2) masonry, from Continental Contg. Co., Inc., 66 Knickerbocker Bldg., Baltimore, Md. (1) $3.15; (2) $21.25; C. H. Tompkins, 1883 3rd St., (1) $4; (2) $18.50. Former bids rejected. Noted Jan. 16.

★**D. C., Wash.** — Fuel Yard — Bureau Mines, Interior Dept., let general contract building 2 story, frame and concrete fuel yard, to International Contg. Co., 50 East 42nd St., New York City. About $200,000, concrete foundation, to W. F. Bernizer Co., 101 New York Ave., N. E.

Va., Hampton Roads—Extending Pneumatic Tube System, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 27 building pneumatic tube extension at naval operating base, (1) net price and time for work, complete, in accordance with drawings and specification; (2) net price and time for work complete with such modifications and departures from drawings and specifications as bidder may desire to propose, which, however, shall be clearly and completely described in his proposal under a special heading "Exceptions," from Lamson Co., 100 Boyleston St., Boston, Mass., (1) $32,991 (90 days), Standard Carrier Co., 51 East 42nd St., New York City, (1) $29,637 (100 days), (2) $27,241. Noted Jan. 16.

★**Va., Portsmouth**—Altering Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract to W. Grohne, Joliet Ill., $2740. Noted Jan. 23.

Va., Salem—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 23, work complete using limestone, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $52,000; R. K. Stewart, Farmville, Va., $55,000; W. J. Brent, 506 Bd. Trade Bldg., Norfolk, $56,335. Noted Jan. 2.

Ark., Russellville — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 23, work complete using limestone, from W. D. Lovell 1415 Southeast 8th St., Minneapolis, Minn., $54,700; C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $56,200; W. MacDonald Constr. Co., St. Louis, Mo., $59,870. Noted Jan. 2.

Tex., North Ft. Worth—Gas Holders, Removal System, Etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 27, for 5 gas holders and Co2 removal system: (1) net price and time for work complete in accordance with drawings and specification, (1a) net price and time for work complete in accordance with drawings and specifications, but substituting single lift out, telescopic tanks for double lift out, telescopic tanks specified. (2) amount deducted from net price and time for work complete, as required in (1) by omitting excavation and concrete work and housing or sheds, steps and runway as called for in paragraphs 28-34 inclusive, 32-45 inclusive, 62-72 inclusive, respectively. Special attention is called to paragraphs 36, 47, and 76. (2a) alternate proposal, from Pittsburgh Des Moines Steel Co., 859 Munsey Bldg., Wash., D. C., (1a) $106,000 (150 days), (2a) $15,000 (150 days). Omaha Structural Steel Wks., 48th and Leavenworth St., Omaha, Neb., (1) $121,000 (150 days), (2) $16,300 (150 days). Camden Iron Wks., Hadden Ave. and Lime St., Camden, N. J., (2) $101,200 (240 days) for 2 single light gas holders instead of 2 as required by the specification. Noted Jan. 16.

CONSTRUCTION MATERIALS

SAND AND GRAVEL—Price for cargo or carload lots is as follows, per cu.yd.:

	Gravel 1½ In. Current	Gravel 1½ In. One Yr. Ago	Gravel ¾ In. Current	Gravel ¾ In. One Yr. Ago	Sand Current	Sand One Yr. Ago
New York	$2.00	$2.00	$2.00	$2.10	$1.25	$1.25
Denver	1.55	1.65	1.55	1.45	1.10	1.00
Chicago	2.00	1.50		1.50	1.10	1.00
Kansas City	2.50	2.15	3.00	2.60	1.00†	.60
St. Louis*	1.76	1.11	1.82	1.11	1.68	1.11
Seattle	1.25	.80	1.25	.80	1.25	1.00
Dallas	2.00	1.50	2.00	1.50	1.50	1.25
St. Paul	1.25	1.00	1.25	1.40	.60	.50
San Francisco	1.40	1.00	1.20	1.00	1.20	1.00
Boston	2.75	1.50	2.75	1.60	1.25	.90
New Orleans	2.82				1.88	1.95
Cincinnati	1.35	1.65	1.35‡	1.65	1.35‡	1.65
Los Angeles	1.10		1.10		.70	

*Fine white sand, Pacific and Ottawa per ton, $6. †Kaw River sand is $1.50 per yd. ‡Per ton.

CRUSHED STONE—Price for cargo or carload lots is as follows, per cu.yd.:

	1½ In. Current	1½ In. One Year Ago	¾ In. Current	¾ In. One Year Ago
New York	$1.65–1.75	$1.55	$1.65–1.85	$1.75
Chicago	1.60	1.50	1.70	1.50
St. Louis	1.25	1.35	1.25	1.35
Dallas	2.25	1.39	2.25	1.46
San Francisco	1.20	1.00	1.20	1.00
Boston	1.75*	1.50	1.75*	1.60
St. Paul	1.15	1.00	1.25	1.10
Denver		1.50	1.55	1.50
Kansas City	1.70	1.60	1.80	1.70
Seattle	1.50	1.10	1.50	1.10
Cincinnati	1.50	1.75		1.75
Los Angeles	1.30		1.20	

*Per ton.

LIME—Warehouse prices:

	Hydrated per Ton Finished	Hydrated per Ton Common	Lump per 300-Lb. Barrel Finished	Lump per 300-Lb. Barrel Common
New York	$17.50	$14.50	$2.90	$2.65
Kansas City	22.80	20.80	2.35	2.20
Chicago	18.00	17.50	1.80*	1.10*
St. Louis	22.00	16.00		1.75
Boston	22.20	18.20	3.65	3.35
Dallas	16.50			
San Francisco	20.00			2.40
St. Paul	25.00	19.50	1.97*	1.93*
Denver	26.20			2.50*
Cincinnati	14.20	9.20		
Seattle	30.00		2.80*	11.95‡
Los Angeles			3.00*	2.30†

* 200-lb. barrels. † Per 180-lb. barrel. ‡ Per ton

NOTE—Refund of 10c. per barrel.

NATURAL CEMENT — Price to dealers for 500 bbl. or over, f.o.b., including bags:

Cincinnati (Utica)	$1.80
St. Paul (Austin)	1.93
Boston (Rosendale)	1.65
Kansas City (Ft. Scott)	1.75
New Orleans	3.52

Return of from 9c. to 15c. allowed per bag.

PORTLAND CEMENT—These prices are for barrels in carload lots, including bags, to contractors:

	Current	One Month Ago	One Year Ago
New York	$3.45	$4.00	$2.25
Jersey City	3.62	3.62	2.16
Boston	3.67	3.67	2.37
Chicago	3.05	3.05	2.21
Pittsburgh	3.15	3.15	2.31
Cleveland	3.32	3.32	2.44
Detroit	3.28	3.28	2.40
Indianapolis	3.22	3.22	2.38
Toledo	3.22	3.22	2.40
Milwaukee	3.16	3.16	2.33
Duluth	3.20	3.20	2.51
Peoria	3.16	3.16	2.33
Cedar Rapids	3.28	3.28	2.48
Davenport	3.24	3.24	2.40
St. Louis	3.30	3.50	2.45
San Francisco	3.03	3.48	2.30
New Orleans	3.77	3.77	3.00
St. Paul	3.40	3.40	2.80
Denver	3.67	3.67	3.20
Kansas City	3.30	3.30	2.44
Seattle	3.33	3.33	3.25
Dallas	2.93	2.93	2.60
Los Angeles	3.58	3.68	
Cincinnati	2.80	2.80	2.92

NOTE—Bag Refund is generally 25c. each; exceptions: Cincinnati, 9c.; Dallas, 10c.; San Francisco, 15c.

TRIANGLE MESH—Price per 100 sq.ft. in carload lots:

PLAIN 4-IN. x 4-IN. MESH

Style Number	Sectional Area Square Inches per Ft. Width	Pittsburgh	New York	Chicago	St. Louis	Dallas	San Francisco
032	0.032	$0.96	$1.09	$1.02	$1.03	$1.13	$21.36
049	0.049	1.22	1.40	1.30	1.32	1.43	1.72
068	0.068	1.52	1.73	1.62	1.64	1.79	2.15
093	0.093	1.96	2.23	2.09	2.11	2.41	2.77
126	0.126	2.48	2.82	2.63	2.67	2.92	3.50
153	0.153	2.96	3.38	3.15	3.19	3.48	4.18
180	0.180	3.39	3.85	3.60	3.66	3.99	.....
245	0.245	4.48	5.10	4.75	4.83	5.27	.....
287	0.287	5.18	5.90	5.50	5.58	6.10	7.31
336	0.336	6.00	6.83	6.37	6.47	7.06	.....
395	0.395	6.96	7.89	7.40	7.50	8.19	.....

PAVING

036	0.036	$0.74	$0.84	$0.84	$0.80	$0.80
053	0.053	1.04	1.25	1.25	1.12	1.12
072	0.072	1.35	1.58	1.53	1.52	1.40
097	0.097	1.74	1.98	1.98	1.84	1.88
049	0.049	1.04	1.25	1.25	1.12	1.12
067	0.067	1.35	1.53	1.53	1.45	1.46
089	0.089	1.80	1.98	1.98	1.88	1.88

Made in 16-, 20-, 24-, 28-, 32-, 36-, 40-, 44-, 48-, 52- and 56-in. width in rolls 150-, 200- and 300-ft. lengths.

Galvanized is about 10% higher.

EXPANDED METAL LATH—Prices in carload lots per 100 yd. for painted are as follows:

Gage	Weight	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
27	233	$34.07	$31.00	$31.00	$34.00	$38.00	$33.33
26	250	35.23	32.05	32.00	35.00	40.00	34.33
25	300	36.51	33.15	33.25	.....	42.50	35.33
24	340	37.73	34.25	34.50	37.00	.....	37.50
22	450	40.48	36.45	.....	.....	.....	.....

About 10% additional for smaller quantities.

BARS, CONCRETE REINFORCING — The following quotations are per 100 lb.:

ROLLED FROM BILLETS

In.	Mill Pittsburgh	New York Current	New York One Month Ago	Chicago	St. Louis	Dallas	San Francisco
¼ and larger	$2.90	$4.12	$4.12	$3.97	$3.75	$ .90	$5.15
⅜	2.95	4.18	4.18	4.02	4.09	4.95	5.20
½	3.00	4.23	4.23	4.07	4.14	5.00	5.25
⅝	3.15	4.38	4.38	4.22	4.29	5.15	5.40
¾	3.40	4.62	4.62	4.47	4.52	6.15	5.65

Twisted bars cut to length take extra of 27½c. per 100 lb. Extra on deformed bars, uncut, 7½c.

ROLLED FROM RAILS

	Chicago	St. Louis	Dallas		Chicago	St. Louis	Dallas
¼ in. and larger	$2.97	$2.80	$4.90	¾	$3.22	$3.05	$5.15
⅜	3.02	2.85	4.95	1	3.47	.....	6.15
½	3.07	2.90	5.00				

BRICK—To contractors the price per 1000 in cargo or carload lots is as follows:

	Common Current	Common One Month Ago	Common One Year Ago	Paving Brick	Paving Blo k
New York	$15.00	$14.00	$10.00	No Quotations	
Chicago	12.00	11.00	8.00	$31.00	$33.00
St. Louis, selected	18.00	18.00	11.00	28.00	.....
St. Louis, salmon	12.00*	12.00	9.50	.....	.....
Denver	12.00†	12.00	8.50	.....	.....
Dallas	16.07	16.07	10.50	26.50	.....
San Francisco	12.00	12.00	10.00	.....	.....
Boston (on job)	18.00	16.75	13.25	30.00‡	.....
New Orleans	15.98	15.98	11.00	.....	.....
St. Paul	10.25	10.25	8.35	30.00	37.50
Kansas City	14.00	13.00	11.00	35.00	
Seattle	15.00	15.00	10.00	40.00	.....
Cincinnati	16.75	16.75	13.50	.....	.....
Los Angeles	12.00	14.00	.....	.....	.....

* Hard brick, $16. † Salmon is $10. ‡ Water-struck; sand-struck is $21.

HOLLOW TILE—Price per block in carload lots for hollow building tile:

	New York Current	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas	Factory Perth Amboy, N. J.
4x12x12	$0.11925	.....	$0.07	$0.08	$0.1125	$0.1005	$0.1312
6x12x12	.159	.....	.095	.105	.15	.106	.1944
8x12x12	.....	.....	.12	.15	.....	.201	.2263
10x12x12	.....	.....	.14	.173	.....	.300	.2916
12x12x12	.....	.....	.195	.208	.....	.325	.2916
			4x12x12		8x12x12		12x12x12
Boston			$0.10½		$0.20		$0.29
St. Paul			.056		.11		.162
Cincinnati			.086		.165		.218
Kansas City			.0786		.15		.205
Seattle			.09		.17½		.30
Los Angeles*			.07¼		.139		.245
New Orleans			.16		.22		.32

* F.o.b. factory, 4, 8 and 10 inch.

STRUCTURAL MATERIAL—The following are the base prices f.o.b. mill, Pittsburgh, together with the quotations per 100 lb. from warehouses at the places named:

	Mill Pittsburgh	New York Current	New York 1 Yr. Ago	St. Louis	Chicago	San Francisco	Dallas
Beams, 3 to 15 in.	$2.80	$4.07	$4.19½	$4.14	$4.07	$5.25	$7.00
Channels, 3 to 15 in.	2.80	4.07	4.19½	4.14	4.07	5.25	7.00
Angles, 3 to 6 in., ¼ in. thick	2.80	4.07	4.19½	4.14	4.07	5.25	7.00
Tees, 3 in. and larger	2.80	4.12	4.19½	4.14	4.07	5.25	7.00
Plates	3.00	4.27	4.44½	4.14	4.27	5.50	7.10

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Mill Pittsburgh	New York Current	New York One Yr. Ago	Chicago	St. Louis	San Francisco	Dallas
½ in. and larger	$4.40	$6.50	$7.00	$5.57	$4.74	$6.70	$7.00

CONE HEAD BOILER

½ in. and larger	4.50	6.60	7.10	5.67	4.84	8.80	7.10
⅝ and ¾	4.65	6.75	7.25	5.82	4.99	6.95	7.25
⅞ and 1	5.00	7.10	7.60	6.17	5.24	7.30	7.60

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows in New York, St. Louis, Chicago and San Francisco:

	1-Ply c.l.	1-Ply l.c.l.	2-Ply c.l.	2-Ply l.c.l.	3-Ply c.l.	3-Ply l.c.l.
No. 1 grade	$1.35	$1.60	$1.70	$1.95	$2.05	$2.30
No. 2 grade	1.20	1.45	1.50	1.75	1.80	2.05

Asbestos asphalt-saturated felt (14 lb. per square) costs $5.00 per 100 lb.

Slate-surfaced roofing (red and green) in rolls of 108 sq.ft. costs $2.10 per roll in carload lots and $2.35 for smaller quantities.

Shingles, red and green slate finish, cost $5.50 per square in carloads, $5.75 in smaller quantities, in Philadelphia.

Buildings (Continued)

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Watertown** (Middlesex P. O.)—Office—Aetna Mills let contract building 2 story, 42 x 100 ft. brick and rein.-con., rein-con. flooring and concrete foundation, to H. Wales Lines Co., 134 State St., Meriden, Conn. About $75,000. Noted Jan. 23.

★**N. Y., Brooklyn**—School—Coney Island Talmud Torah, Inc., 2861 West 32nd St., Coney Island, will build 3 story, 56 x 100 ft., steel and brick, brick foundation, on 31st St. between Mermaid and Neptune Aves., Coney Island. About $50,000. Work will be done by day labor. Noted Jan. 16.

★**N. Y., Brooklyn**—Theatre—J. Speelberg, 308 Sheffield Ave., will build 2 story, 75 x 200 ft., steel and brick, rein.-con. flooring, concrete foundation, at 381 Stone Ave. About $75,000. Work will be done by day labor.

★**N. Y., Rochester** — Store — Oppenheim Collins, 35 West 34th St., New York City, let contract building 8 story, steel and brick addition here, concrete foundation, to C. A. Cowan, 30 East 42nd St., New York City; cost plus percentage.

Wis., Kenosha—Schools—Bd. Educ. received only bid building two 2 story, 147 x 182 ft., rein.-con. and brick, from Madsen & Peterson, 802 Plymouth Bldg. Minneapolis, Minn. About $165,000.

★**Colo., Windsor**—High School—Bd. Educ. let contract, to A. Olson, Denver, $70,885.

Cal., Los Angeles—School—Bd. Educ., 730 Security Bldg., received bids Jan. 15, building 2 story, 125 x 160 ft., hollow tile, concrete foundation, on Soto St., from C. Karseboom, 1445 Dana St., $52,600; Pozzo Constr. Co., 427 Macy St., $53,057; K. R. Bradley, 527 East Jefferson St., $54,600.

★**Ont., Ottawa**—Office—Dominion Government let contract extending office building of Dept. of Soldiers' Civil Re-Establishment, to Taylor & Lackey, Ottawa. About $55,000.

Federal Government Work

PROPOSED WORK

N. Y., Rockaway—Addition to Dispensary—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans; Spec. 3780. About $20,000.

Pa., Ft. Mifflin—Fire Protection System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans; Spec. 3779. About $20,000.

Pa., Phila.—Addition to Shipbuilding Slip—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build addition to shipbuilding slip 283; Spec. 3781. About $325,000.

Pa., Phila.—Bridge Cranes—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install two 15 ton E. T. bridge cranes; Spec. 3777. About $70,000.

Pa., Phila.—Temporary Steel Storage—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans; Spec. 3775. About $150,000. Bids will be received at local yard.

Md., Baltimore—Harbor Improvement—U. S. Bd. Army Engrs. receives bids about Feb. 1, improving harbor channels, including 35-ft. channel in Patapaco River and 30-ft. channels in Curtis Bay and Spring Gardens branches. Work involves 152,000 cu.yd. maintenance dredging in Ft. McHenry Sect., 171,000 cu.yd. in Ft. McHenry, Brewington angle, 312,000 cu.yd. in cut-off section, 226,000 cu.yd. from Brewington channel, 108,000 cu.yd. from Brewington cut-off angle, 150,000 cu.yd. from cut-off Craighill angle, 120,000 cu.yd. from York Spit Sect., 1,124,000 cu.yd. from Curtis Bay Sect. and 2,800,000 cu.yd. from 35 ft. sect. of branch channel in southwestern part of Baltimore harbor. About $675,432. W. M. Black, engr.

Va., Yorktown—Wood Pier and Approach—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Dec. 23, building at Navy Mine Depot; Spec. 3491. Noted Jan. 2.

N. C., Monroe—Radio Buildings, Garage, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Dec. 30, building radio buildings, garage, barracks and 3 officers' quarters at Southern Radio Sta.; Spec. 3683. Work will be readvertised. Noted Jan. 9.

S. C., Paris Island—Laundry—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3783. About $41,000

Minn., Duluth—Customhouse—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., plans to build steel, rein.-con. and brick customhouse, brick, rock and concrete foundation, on 1st St. and 5th Ave., W. About $1,000,000.

Mo., St. Louis—Developing Waterways—Natl. Rivers & Harbors Comn. applied to Congress Wash., D. C., for appropriation of $400,000,000 to develop navigable waterways. Plans include improving Mississippi River and tributaries as follows, 12 ft. channel from St. Louis to New Orleans, 9 ft. channel from St. Louis to St. Paul, 9 ft. channel for Ohio and Illinois Rivers and 6 ft. channel for Missouri River, to cost about $160,000,000.

Tex., North Ft. Worth—Wells and Pumps—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received Jan. 6, building 2 wells and installing pumps at Argon production plant; Spec. 3577. Work will be readvertised. Noted Jan. 9.

Tex., San Antonio—Refrigerating Plants—Constr. Div., War. Dept., Wash., D. C., authorized enlargement of refrigerating plants at Camp Travis and Ft. Sam Houston base hospitals. About $10,000. Work will be done under supervision of Major F. G. Chamberlain, Constr. Quartermaster.

Cal., San Francisco—Extension to Wharf—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build extension to Long Wharf, here; Spec. 3782. About $19,000.

BIDS DESIRED

N. H., Portsmouth—Piping and Circulating System—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3416. About $40,000.

Mass., Boston—Steel Stock and Storage Shed—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3736. About $80,000. Noted Jan. 2

N. Y., Fire Island—Barracks—Until Mar. 3, by Bureau Yards & Docks, Navy Dept., Wash., building barracks at U. S. naval radio sta., here; Spec. 3728. Noted Jan. 16

N. Y., New York—Chimney for Boiler Plant—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building here; Spec. 3606. About $15,000. Noted Oct. 31.

N. Y., New York—Coal and Ash Handling Equipment—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3607. About $80,000. Noted Oct. 31.

N. Y., Ward's Island—Laundry Equipment—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing here; Spec. 3665. About $8500. Noted Nov. 21.

N. Y., Wards Island—Refrigerating Plant Equipment—Until Feb. 10, installing; Spec. 3749. About $30,000. Noted Jan. 9.

Pa., Ft. Mifflin—Railroad Extension—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building; Spec. 3727. About $20,000; $10 deposit required for plans and spec. Noted Dec. 19.

Pa., Ft. Mifflin—Tank and Tower—Until Feb. 5, by U. S. Engineer Office, Phila., building steel water tank and tower, here.

Md., Indianhead—Small Boat Basin and Bulkhead—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3776. About $42,000.

Va., Hampton Roads—Coal and Ash Handling Equipment — Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here; Spec. 3300. About $60,000.

Va., Hampton Roads—Equipment, etc.—Until Feb. 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing machinery equipment and piping in power plant; Spec. 3328. About $125,000; $10 deposit required for plans and spec.

Va., Quantico—Tanks—Until Feb. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing 2 rein.-con. tanks in marine corps barracks; Spec. 3628. About $4800. Noted Nov. 14.

Mo., St. Louis—Surgical Dressing Room—Until Feb. 20, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building surgical dressing room in U. S. Marine Hospital here.

Tex., Galveston—Hangars, Pavement and Beach—Until Feb. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing 3 hangars, etc.; Spec. 3432. About $485,000. Former bids rejected. Noted Jan. 9.

Cal., Mare Island (Vallejo P. O.)—Fuel Oil Storage Plant—Until Feb. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C.; Spec. 3631. About $400,000; $5 deposit required for plans and spec. Noted Nov. 7.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chatam**—Service Connections—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building service connections to buildings, to Hixon Electric Co., 246 Summer St., Boston, $12,835, (60 days)

★**Conn., New London**—High Pressure Air System—Bureau Yards & Docks, Wash., D. C., let contract building at Submarine Base, to Carroll Electric Co., 714 12th St., Wash., D. C., $13,560, (125 days). Noted Dec. 19.

★**N. Y., New York**—Altering Post Office Lobby—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract, to B. Knopp 431 West 41st St., $5094. Noted Jan. 16.

D. C., Wash.—Bridge—Dist. Comrs., Dist. Bldg., received bids building bridge on Concord Ave., between 3rd and 4th Sts., (1) excav.; (2) masonry, from Continental Contg. Co., Inc., 66 Knickerbocker Bldg., Baltimore, Md. (1) $3.15; (2) $21.25; C. H. Tompkins, 1883 3rd St., (1) $4; (2) $18.50. Former bids rejected. Noted Jan. 16.

★**D. C., Wash.** — Fuel Yard — Bureau Mines, Interior Dept., let general contract building 2 story, frame and concrete fuel yard, to International Contg. Co., 50 East 42nd St., New York City. About $200,000, concrete foundation, to W. F. Bernizer Co., 101 New York Ave., N. E.

Va., Hampton Roads—Extending Pneumatic Tube System, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 27 building pneumatic tube extension at naval operating base, (1) net price and time for work, complete, in accordance with drawings and specification; (2) net price and time for work complete with such modifications and departures from drawings and specifications as bidder may desire to propose, which, however, shall be clearly and completely described in his proposal under a special heading "Exceptions," from Lamson Co., 100 Boyleston St., Boston, Mass., (1) $32,991 (90 days), Standard Carrier Co., 51 East 42nd St., New York City, (1) $29,637 (100 days), (2) $27,241. Noted Jan. 16.

★**Va., Portsmouth**—Altering Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract to W. Grohne, Joliet Ill., $2740. Noted Jan. 23.

Va., Salem—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 23, work complete using limestone, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $52,000; R. K. Stewart, Farmville, Va., $55,000; W. J. Brent, 506 Bd. Trade Bldg., Norfolk, $56,335. Noted Jan. 2.

Ark., Russellville — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids Jan. 23, work complete using limestone, from W. D. Lovell 1415 Southeast 8th St., Minneapolis, Minn., $54,700; C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $56,200; W. MacDonald Constr. Co., St. Louis, Mo., $59,870. Noted Jan. 2.

Tex., North Ft. Worth—Gas Holders, Removal System, Etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Jan. 27, for 5 gas holders and Co2 removal system: (1) net price and time for work complete in accordance with drawings and specification, (1a) net price and time for work complete in accordance with drawings and specifications, but substituting single lift out, telescopic tanks for double lift out, telescopic tanks specified, (2) amount deducted from net price and time for work complete, as required in (1) by omitting excavation and concrete work and housing or sheds, steps and runway as called for in paragraphs 28-34 inclusive, 32-45 inclusive, 62-72 inclusive, respectively. Special attention is called to paragraphs 36, 47, and 76. (2a) alternate proposal, from Pittsburgh Des Moines Steel Co., 859 Munsey Bldg., Wash., D. C., (1a) $106,000 (150 days), (2a) $15,000 (150 days). Omaha Structural Steel Wks., 48th and Leavenworth St., Omaha, Neb., (1) $121,000 (150 days), (2) $16,300 (150 days). Camden Iron Wks., Hadden Ave. and Lime St., Camden, N. J., (2) $101,200 (240 days) for 2 single light gas holders instead of 2 as required by the specification. Noted Jan. 16.